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# FOREST STATISTICS for SOUTH CAROLINA, 1978




## FOREWORD

This report highlights the principal findings of the fifth inventory of South Carolina's forests. Fieldwork began in April 1977 and was completed in August 1978. Four previous statewide inventories, completed in 1936, 1947, 1958, and 1968, provide statistics for measuring changes and trends over the past 42 years. The primary emphasis in this report is on the changes and trends since 1968. Previously reported figures have been adjusted to provide the best estimate of change.

Renewable Resources Evaluation (formerly Forest Survey) is authorized by the Forest and Rangeland Renewable Resources Research Act of 1978. The inventory is a continuing, nationwide undertaking by the regional experiment stations of the Forest Service, USDA. In Florida, Georgia, North Carolina, South Carolina, and Virginia, Renewable Resources Evaluation is administered through the Southeastern Forest Experiment Station, with headquarters in Asheville, North Carolina. The primary objective of the survey is to periodically inventory and evaluate the forest and related resources. These inventories provide information on the extent and condition of forest lands, volume of timber, and rates of timber growth and removals. These evaluations help provide a basis for the formulation of forest policies and programs and for the orderly development and use of the resources.

Reports for each of the three survey units in South Carolina, USDA Forest Service Resource Bulletins SE-45, SE-47, and SE-49, have been issued for the Piedmont, Northern Coastal Plain and Southern Coastal Plain, respectively. Two in-depth, analytical State reports, one dealing solely with timber and the second with all forest-related resources, should be available in early 1980.

The Southeastern Station gratefully acknowledges the cooperation of the South Carolina Commission of Forestry. Appreciation is also expressed for the excellent cooperation of other public agencies, forest industry, and private landowners in providing information and access to the sample locations.

  
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Project Leader

August 1979

Southeastern Forest Experiment Station  
Asheville, North Carolina

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**for**  
**SOUTH CAROLINA,**  
**1978**

**by**  
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## HIGHLIGHTS

Since the fourth inventory of South Carolina's forest resources was completed in 1968—

area of commercial forest land has increased by 76,000 acres, or less than 1 percent. Increases occurred in the Northern Coastal Plain and Piedmont Survey Units. Statewide, over 371,000 acres were added to the commercial forest-land base, while 295,000 acres were diverted to other land uses. Almost 42 percent of the diversions was to agricultural uses, over 40 percent to urban and other, and the remaining 18 percent to water and noncommercial forest. Commercial forests now occupy 12.5 million acres, or 65 percent of South Carolina's total land area.

miscellaneous private, corporate owners have increased their holdings by nearly 945,000 acres. This increase resulted from a shift of acres from farmers and miscellaneous private individuals, who collectively own 63 percent of the commercial forests. Forest industries have increased their fee-simple holdings by 195,000 acres, or by 10 percent. Nearly 9 percent of the commercial forest area is publicly owned, about the same as in 1968.

one half of the commercial forest acreage has been treated or significantly disturbed. Over 2.0 million acres were harvested, while 1.9 million acres experienced intermediate cutting. Altogether, about 568,000 acres of harvested, site prepared, and idle land were artificially regenerated. About 70 percent of this artificial regeneration was on lands owned or leased by forest industry. Disease, fire, insects, weather, and other natural destructive agents have caused significant damage to forests on more than 941,000 acres.

acreage occupied by pine forest types has increased by 81,000 acres, or by 1.5 percent. Almost all the increase occurred in the two Coastal Plain Survey Units. Loblolly pine types now occupy 3.4 million acres, up by 17 percent. The other major pine types and the oak-pine type declined in acreage. Relatively undisturbed stands or stands experiencing natural disturbances accounted for 42 percent of the increase in pine types, while forestry practices accounted for nearly 40 percent. Acreage added to commercial forest through natural reversions on nonforest lands contributed the remaining 18 percent. In contrast to the net increase in pine types, over 42 percent of all pine types harvested since the fourth survey are now classified as oak-pine or hardwood types.

average basal area of all live trees 5.0 inches d.b.h. and larger has increased from 57 to 71 square feet per acre of commercial forest land. Rough and rotten trees make up 15 percent of the basal-area stocking. Stands classified as fully stocked with growing-stock trees comprise 35 percent of all commercial forests, up from 17 percent in 1968. Nonstocked and poorly stocked forest acres total 2.4 million acres, down from 3.5 million acres in 1968. The number of softwood saplings has declined by 20 percent, while the number of hardwood saplings has increased by 4 percent.

volume of softwood growing stock has increased from 6.7 to 8.9 billion cubic feet, or by 33 percent. Loblolly pine accounted for nearly 73 percent of the increase and now makes up 60 percent of the softwood inventory. Volume of shortleaf pine, the second-leading softwood species, increased by 12 percent, while the volume of longleaf pine, the third-leading species, was essentially unchanged. Slash pine ranks fourth in abundance and increased in volume by 148 percent. The softwood-volume increase occurred across all diameter classes, but the increase in

the 6-inch class was noticeably less than in larger diameters. The current inventory of softwood growing stock includes 31.3 billion board feet of sawtimber, an increase of 37 percent.

volume of hardwood growing stock has increased from 6.6 to 8.3 billion cubic feet, or by 25 percent. Sweetgum, tupelo, blackgum, and a variety of red oak species make up 59 percent of the hardwood inventory and accounted for 57 percent of the increase. Yellow-poplar made the largest percentage gain, increasing by 51 percent. Substantial gains occurred across the entire range of diameter classes. The current inventory of hardwood growing stock includes 24.2 billion board feet of sawtimber, up by 28 percent.

In 1977—

net annual growth of growing stock averaged 77 cubic feet per acre of commercial forest land and totaled 963 million cubic feet. This growth rate—a record high for any State in the Southeast—is attributed to the rapid development of young pine stands established on retired cropland between 1940 and the early sixties. Softwood net growth exceeded removals by 71 percent, while hardwood net growth exceeded removals by 155 percent. By ownership, 10 percent of the net growth occurred on publicly owned lands, 18 percent on forest industry lands, 34 percent on farmer-owned woodlands, and the remaining 38 percent on miscellaneous private ownerships. Total net annual growth of growing stock included 3.5 billion board feet of sawtimber.

annual removals of growing stock totaled 496 million cubic feet and included 1.8 billion board feet of sawtimber. Softwood growing-stock removals increased by 25 percent since the fourth survey, but hardwood removals declined by 12 percent. By ownership, 10 percent of the removals was from public forests, 25 percent from forest industry lands, 31 percent from farmer-owned lands, and 34 percent from miscellaneous private forests. Softwoods provide a disproportionate share of the growing-stock removals. Softwoods make up 52 percent of the inventory and 64 percent of the net growth, but provide 73 percent of the removals.

mortality of growing stock totaled 112 million cubic feet and included 313 million board feet of sawtimber. Softwoods accounted for 63 percent of the mortality. The leading identifiable causes of death were insects, suppression, disease, and weather. Total mortality of growing stock reduced gross growth by 10 percent.

## HOW THE INVENTORY IS MADE

The method of the inventory is a sampling procedure designed to provide reliable statistics primarily at the State and Survey Unit levels. Individual county statistics are presented so that any combination of counties may be added together until a total is large enough to meet the desired degree of reliability. Procedures were as follows:

1. Initial estimates of forest and nonforest areas were based on the classification of 67,524 sample clusters systematically spaced on the latest aerial photographs available. A subsample of 6,466 of the 16-point clusters was ground checked, and a linear regression was fitted to the data to develop the relationship between the photo and ground classification of the subsample. This procedure provides a means for adjusting the initial estimates of area for change in land use since date of photography and for photo misclassifications.

2. Estimates of timber volume and forest classifications were based on measurements recorded at 4,038 ground sample locations systematically distributed within the forest land. A 10-point cluster of plots, measured with a basal-area factor of 37.5 square feet per acre, was established on an acre at each of these sample locations. Trees less than 5 inches d.b.h. were tallied on a portion of the fixed-radius plots around the point centers.

3. Equations prepared from detailed measurements collected on standing trees in South Carolina, and similar measurements taken throughout the Southeast, were used to compute the volume of individual tally trees. A mirror caliper and sectional aluminum poles were used to obtain the additional measurements on these standing trees required to construct volume equations.

4. Felled trees were measured at 93 active cutting operations. These data will be pooled with similar measurements taken in the State to supplement the standing-tree-volume study and to generate utilization factors for product and species groups that will be analyzed at the State level.

5. Estimates of growth, removals, and mortality were determined from the remeasurement of 4,231 permanent sample plots which were established in the fourth survey.

6. Ownership information was collected from correspondence, public records, and local contacts. In those counties where the sample missed a particular ownership class, temporary sample plots were added on these lands.

7. All field data were sent to Asheville for editing and were punched into cards and stored for machine computing, sorting, and tabulation. Final estimates were based on statistical summaries of the data.

## RELIABILITY OF THE DATA

Statistical analysis of these data indicates the following sampling errors in terms of one standard error (two times out of three):

	<i>Percent</i>
Per million acres of commercial forest land .....	0.95
Per billion cubic feet of growing stock .....	5.50
Per billion cubic feet of net annual growth .....	1.32
Per billion cubic feet of annual removals .....	2.40



*SAMPLING ERRORS FOR COUNTY AND UNIT TOTALS,<sup>1</sup> IN TERMS OF  
ONE STANDARD ERROR*

COUNTY	COMMERCIAL FOREST AREA	CUBIC-FOOT VOLUME OF GROWING STOCK		
		INVENTORY	GROWTH	REMOVALS
- - - - - <i>SAMPLING ERROR<sup>2</sup></i> - - - - -				
ABBEVILLE	2.86	11.29	8.99	28.46
AIKEN	1.09	8.87	8.61	18.68
ALLENDALE	2.44	11.22	12.43	33.32
ANDERSON	2.51	7.49	10.01	28.46
BAMBERG	2.44	9.27	9.36	24.45
BARNWELL	1.43	10.27	9.68	22.49
BEAUFORT	3.17	11.13	11.10	42.30
BERKELEY	0.87	5.38	5.49	10.81
CALHOUN	3.01	13.24	13.41	36.49
CHARLESTON	1.91	6.51	6.37	21.48
CHEROKEE	3.33	12.27	13.45	35.36
CHESTER	1.87	9.55	8.95	31.78
CHESTERFIELD	1.28	9.97	9.45	20.49
CLARENDON	2.14	10.21	9.18	28.38
COLLETON	1.06	6.47	6.32	18.19
DARLINGTON	2.37	11.01	8.48	22.90
DILLON	2.12	11.76	9.94	27.01
DORCHESTER	1.48	7.13	8.10	22.17
EDGEFIELD	2.44	8.31	9.36	22.99
FAIRFIELD	0.79	7.71	6.23	20.73
FLORENCE	1.55	7.28	7.01	19.67
GEORGETOWN	1.32	7.04	7.07	16.19
GREENVILLE	1.95	6.91	10.87	26.95
GREENWOOD	2.04	12.78	10.61	24.96
HAMPTON	1.65	8.02	6.90	25.58
HORRY	1.05	6.34	6.04	17.36
JASPER	1.66	8.70	10.11	24.23
KERSHAW	1.07	8.51	7.25	14.29
LANCASTER	1.44	11.24	13.32	24.50
LAURENS	1.64	8.97	9.90	23.40
LEE	2.61	12.25	13.90	25.58
LEXINGTON	2.24	11.25	11.11	23.04
MCCORMICK	1.58	9.95	8.77	22.96
MARION	1.86	9.71	7.83	18.86
MARLBORO	2.39	10.16	9.77	22.04
NEWBERRY	1.44	6.84	8.08	18.48
OCONEE	1.92	6.95	10.45	29.71
ORANGEBURG	1.56	7.68	8.59	17.47
PICKENS	1.75	9.73	9.85	23.87
RICHLAND	1.60	7.50	7.28	17.91
SALUDA	2.32	12.00	12.59	23.70
SPARTANBURG	2.11	9.88	9.53	33.09
SUMTER	1.95	9.04	7.71	20.48
UNION	1.22	8.78	9.14	23.95
WILLIAMSBURG	1.29	5.94	6.38	13.95
YORK	3.25	9.55	9.74	30.96
UNIT TOTAL	0.27	1.35	1.32	3.36

<sup>1</sup> SAMPLING ERROR OF BREAKDOWNS OF COUNTY AND UNIT TOTALS  
MAY BE COMPUTED WITH THE FOLLOWING FORMULA:

$$E = \frac{(SE) \sqrt{(\text{SPECIFIED VOLUME OR AREA})}}{\sqrt{(\text{VOLUME OR AREA TOTAL IN QUESTION})}}$$

WHERE:  $E$  = SAMPLING ERROR OF THE VOLUME OR AREA TOTAL IN  
QUESTION.

SE = SPECIFIED SAMPLING ERROR IN TABLE.

<sup>2</sup> BY RANDOM-SAMPLING FORMULA (IN PERCENT).

## DEFINITIONS OF TERMS

Acceptable trees.--Growing-stock trees of commercial species that meet specified standards of size and quality, but not qualifying as desirable trees.

Basal area.--The area in square feet of the cross section at breast height of a single tree or of all the trees in a stand, usually expressed as square feet of basal area per acre.

Commercial forest land.--Forest land producing or capable of producing crops of industrial wood and not withdrawn from timber utilization.

Commercial species.--Tree species presently or prospectively suitable for industrial wood products.

Cropland.--Land under cultivation within the past 24 months, including orchards and land in soil-improving crops, but excluding land cultivated in developing improved pasture. Also includes idle farmland.

Desirable trees.--Growing-stock trees of commercial species having no serious defects in quality limiting present or prospective use for timber products, of relatively high vigor, and containing no pathogens that may result in death or serious deterioration before rotation age.

Diameter class.--A classification of trees based on diameter outside bark, measured at breast height ( $4\frac{1}{2}$  feet above the ground). D.b.h. is the common abbreviation for "diameter at breast height." Two-inch-diameter classes are commonly used in Forest Survey, with the even inch the approximate midpoint for a class. For example, the 6-inch class includes trees 5.0 through 6.9 inches d.b.h., inclusive.

Farm.--Either a place operated as a unit of 10 or more acres from which the sale of agricultural products totaled \$50 or more annually, or a place operated as a unit of less than 10 acres from which the sale of agricultural products for the year amounted to at least \$250.

Farm operator.--A person who operates a farm, either doing the work himself or directly supervising the work.

Farmer-owned lands.--Lands owned by farm operators.

Forest industry lands.--Lands owned by companies or individuals operating wood-using plants.

Forest land.--Land at least 16.7 percent stocked by forest trees of any size, or formerly having had such tree cover, and not currently developed for nonforest use.

Forest type.--A classification of forest land based upon the species forming a plurality of live-tree stocking.

Longleaf-slash pine.--Forests in which longleaf or slash pine, singly or in combination, comprises a plurality of the stocking. (Common associates include oak, hickory, and gum.)

Loblolly-shortleaf pine.--Forests in which loblolly pine, shortleaf pine, or other southern yellow pines, except longleaf or slash pine, singly or in combination, comprise a plurality of the stocking. (Common associates include oak, hickory, and gum.)

Oak-pine.--Forests in which hardwoods (usually upland oaks) comprise a plurality of the stocking but in which pines comprise 25 to 50 percent of the stocking. (Common associates include gum, hickory, and yellow-poplar.)

Oak-hickory.--Forests in which upland oaks or hickory, singly or in combination, comprise a plurality of the stocking, except where pines comprise 25 to 50 percent, in which case the stand would be classified oak-pine. (Common associates include yellow-poplar, elm, maple, and black walnut.)

Oak-gum-cypress.--Bottomland forests in which tupelo, blackgum, sweetgum, oaks, or southern cypress, singly or in combination, comprises a plurality of the stocking, except where pines comprise 25 to 50 percent, in which case the stand would be classified oak-pine. (Common associates include cottonwood, willow, ash, elm, hackberry, and maple.)

Elm-ash-cottonwood.--Forests in which elm, ash, or cottonwood, singly or in combination, comprises a plurality of the stocking. (Common associates include willow, sycamore, beech, and maple.)

Gross growth.--Annual increase in net volume of trees in the absence of cutting and mortality.

Growing-stock trees.--Live trees of commercial species qualifying as desirable or acceptable trees.

Growing-stock volume.--Net volume in cubic feet of growing-stock trees 5.0 inches d.b.h. and over from a 1-foot stump to a minimum 4.0-inch top diameter outside bark of the central stem, or to the point where the central stem breaks into limbs. (Net volume in primary forks is included.)

Hardwoods.--Dicotyledonous trees, usually broad-leaved and deciduous.

Soft hardwoods.--Soft-textured hardwoods such as boxelder, red and silver maple, buckeye, hackberry, loblolly-bay, silverbell (in mountains), butternut, sweetgum, yellow-poplar, cucumbertree, magnolia, sweetbay, water tupelo, blackgum, sycamore, cottonwood, black cherry, willow, basswood, and elm.

Hard hardwoods.--Hard-textured hardwoods such as Florida and sugar maple, birch, hickory, dogwood, persimmon (forest grown), beech, ash, honeylocust, holly, black walnut, mulberry, all commercial oaks, and black locust.

Idle farmland.--Includes former croplands, orchards, improved pastures and farm sites not tended within the past 2 years, and presently less than 16.7 percent stocked with trees.

Improved pasture.--Land currently improved for grazing by cultivation, seeding, irrigation, or clearing of trees or brush.

Industrial wood.--All roundwood products except fuelwood.

Land area.--The area of dry land and land temporarily or partly covered by water such as marshes, swamps, and river flood plains (omitting tidal flats below mean high tide); streams, sloughs, estuaries, and canals less than 1/8 of a statute mile in width; and lakes, reservoirs, and ponds less than 40 acres in area.

Logging residues.--The unused portions of trees cut or killed by logging.

Miscellaneous Federal lands.--Federal lands other than National Forests, lands administered by the Bureau of Land Management, and Indian lands.

Miscellaneous private lands - corporate.--Lands owned by private corporations other than forest industry.

Miscellaneous private lands - individual.--Privately owned lands other than forest-industry, farmer-owned, or corporate lands.

Mortality.--Number or sound-wood volume of live trees dying from natural causes during a specified period.

National Forest land.--Federal lands which have been legally designated as National Forests or purchase units, and other lands under the administration of the Forest Service, including experimental areas and Bankhead-Jones Title III lands.

Net annual growth.--The increase in volume for a specific year.

Net volume.--Gross volume less deductions for rot, sweep, or other defect affecting use for timber products.

Noncommercial forest land.--(a) Unproductive forest land incapable of yielding crops of industrial wood because of adverse site conditions, and (b) productive-reserved forest land.

Noncommercial species.--Tree species of typically small size, poor form, or inferior quality which normally do not develop into trees suitable for industrial wood products.

Nonforest land.--Land that has never supported forests and lands formerly forested where timber management is precluded by development for other uses.

Nonstocked land.--Commercial forest land less than 16.7 percent stocked with growing-stock trees.

Other Federal lands.--Federal lands other than National Forests, including lands administered by the Bureau of Land Management, Bureau of Indian Affairs, and other Federal agencies.

Other public lands.--Publicly owned lands other than National Forests.

Overstocked areas.--Areas where growth of trees is significantly reduced by excessive numbers of trees.

Poletimber trees.--Growing-stock trees of commercial species at least 5.0 inches in d.b.h. but smaller than sawtimber size.

Productive-reserved forest land.--Forest land sufficiently productive to qualify as commercial forest land, but withdrawn from timber utilization through statute or administrative designation.

Rangeland.--Land on which the natural plant cover is composed principally of native grasses, forbs, or shrubs valuable for forage.

Rotten trees.--Live trees of commercial species that do not contain at least one 12-foot saw log, or two noncontiguous saw logs, each 8 feet or longer, now or prospectively, primarily because of rot or missing sections, and with less than one-third of the gross tree volume in sound material.

Rough trees.--(a) Live trees of commercial species that do not contain at least one 12-foot saw log, or two noncontiguous saw logs, each 8 feet or longer, now or prospectively, primarily because of roughness, poor form, splits, and cracks, and with less than one-third of the gross tree volume in sound material; and (b) all live trees of noncommercial species.

Salvable dead trees.--Standing or down dead trees that are considered merchantable by Forest Survey standards.

Saplings.--Live trees 1.0 to 5.0 inches in diameter at breast height.

Saw log.--A log meeting minimum standards of diameter, length, and defect, including logs at least 8 feet long, sound and straight, and with a minimum diameter inside bark for softwoods of 6 inches (8 inches for hardwoods).

Saw-log portion.--That part of the bole of sawtimber trees between the stump and the saw-log top.

Saw-log top.--The point on the bole of sawtimber trees above which a saw log cannot be produced. The minimum saw-log top is 7.0 inches d.o.b. for softwoods and 9.0 inches d.o.b. for hardwoods.

Sawtimber trees.--Live trees of commercial species containing at least a 12-foot saw log, or two noncontiguous saw logs, each 8 feet or longer, and with at least one-third of the gross board-foot volume between the 1-foot stump and minimum saw-log top being sound. Softwoods must be at least 9.0 inches and hardwoods at least 11.0 inches in diameter at breast height.

Sawtimber volume.--Net volume of the saw-log portion of live sawtimber in board-foot International 1/4-inch rule.

Seedlings.--Live trees less than 1.0 inch in diameter at breast height that are expected to survive and develop.

Site class.--A classification of forest land in terms of inherent capacity to grow crops of industrial wood based on fully stocked natural stands.

Class 1.--Sites capable of producing 165 or more cubic feet per acre annually.

Class 2.--Sites capable of producing 120 to 165 cubic feet per acre annually.

Class 3.--Sites capable of producing 85 to 120 cubic feet per acre annually.

Class 4.--Sites capable of producing 50 to 85 cubic feet per acre annually.

Class 5.--Sites incapable of producing 50 cubic feet per acre annually, but excluding unproductive sites.

Softwoods.--Coniferous trees, usually evergreen, having needles or scale-like leaves.

Pines.--Yellow pine species which include loblolly, longleaf, slash, shortleaf, pitch, Virginia, Table-Mountain, sand, and spruce pine.

Other softwoods.--White pine, hemlock, cypress, eastern redcedar, white-cedar, spruce, and fir.

Stand-size class.--A classification of forest land based on the size class of growing-stock trees on the area.

Sawtimber stands.--Stands at least 16.7 percent stocked with growing-stock trees, with half or more of total stocking in sawtimber or poletimber trees, and with sawtimber stocking at least equal to poletimber stocking.

Poletimber stands.--Stands at least 16.7 percent stocked with growing-stock trees of which half or more of this stocking is in poletimber and sawtimber trees, and with poletimber stocking exceeding that of sawtimber.

Sapling-seedling stands.--Stands at least 16.7 percent stocked with growing-stock trees of which more than half of the stocking is saplings and seedlings.

State, county, and municipal lands.--Lands owned by States, counties, and local public agencies or municipalities, or lands leased to these governmental units for 50 years or more.

Stocking.--The degree of occupancy of land by trees, measured by basal area or the number of trees in a stand and spacing in the stand, compared to a minimum standard, depending on tree size, to fully utilize the growth potential of the land. (See page 12.)

Timber removals.--The net volume of growing-stock trees removed from the inventory by harvesting; cultural operations, such as stand improvement; land clearing, or changes in land use.

Unproductive forest land.--Forest land incapable of producing 20 cubic feet per acre of industrial wood under natural conditions, because of adverse site conditions.

Upper-stem portion.--That part of the main stem or fork of sawtimber trees above the saw-log top to a minimum top diameter of 4.0 inches outside bark or to the point where the main stem or fork breaks into limbs.

Urban and other areas.--Areas within the legal boundaries of cities and towns; suburban areas developed for residential, industrial, or recreational purposes; school yards; cemeteries; roads; railroads; airports; beaches; powerlines and other rights-of-way; or other nonforest land not included in any other specified land use class.

*STOCKING STANDARD*

D.B.H. CLASS	MINIMUM NUMBER OF TREES PER ACRE FOR FULL STOCKING	MINIMUM BASAL AREA PER ACRE FOR FULL STOCKING	PERCENT STOCKING ASSIGNED EACH TALLY TREE <sup>1</sup>
SEEDLINGS	600	--	5.0
2	560	--	5.4
4	460	--	6.5
6	340	67	5.8
8	240	84	4.8
10	155	85	4.3
12	115	90	4.0
14	90	96	3.8
16	72	101	3.7
18	60	106	3.5
20	51	111	3.5

<sup>1</sup> TREES LESS THAN 5.0 INCHES D.B.H. WERE TALLIED ON A 10-POINT CLUSTER OF CIRCULAR, 1/300-ACRE PLOTS AT EACH SAMPLE LOCATION. TREES 5.0 INCHES D.B.H. AND LARGER WERE TALLIED ON A 10-POINT CLUSTER OF VARIABLE PLOTS USING A BASAL AREA FACTOR OF 37.5 AT EACH SAMPLE LOCATION.

OVERSTOCKED--OVER 130 PERCENT  
 FULLY STOCKED--100-130 PERCENT  
 MEDIUM STOCKED--60-99 PERCENT  
 POORLY STOCKED--16.7-59 PERCENT  
 NONSTOCKED--LESS THAN 16.7 PERCENT

*CUBIC FEET OF WOOD PER AVERAGE CORD  
(EXCLUDING BARK)*

D.B.H. CLASS	ALL SPECIES	PINE	OTHER SOFTWOOD	HARDWOOD
6	60.6	61.0	68.2	60.0
8	68.4	68.1	76.0	68.4
10	73.4	73.1	81.3	73.4
12	76.7	76.7	85.3	76.4
14	79.1	79.4	88.1	78.4
16	80.9	81.6	90.6	79.8
18	82.1	83.3	92.4	80.8
20	83.1	84.7	93.8	81.5
22	83.8	86.0	94.8	82.1
24+	84.8	87.8	98.1	83.1
AVERAGE	74.5	73.9	85.9	74.3



# COUNTY TABLES

THE COUNTY TABLES ARE INTENDED FOR USE IN COMPILING FOREST RESOURCE ESTIMATES FOR GROUPS OF COUNTIES. BECAUSE THE SAMPLING PROCEDURE USED BY THE FOREST SURVEY WAS INTENDED PRIMARILY TO FURNISH INVENTORY DATA FOR THE SURVEY UNIT AS A WHOLE, INDIVIDUAL COUNTY ESTIMATES HAVE LIMITED AND VARIABLE ACCURACY. AS COUNTY TOTALS ARE BROKEN DOWN BY VARIOUS SUBDIVISIONS, THE POSSIBILITY OF ERROR INCREASES AND IS GREATEST FOR THE SMALLEST ITEMS. THE ORDER OF THIS INCREASE CAN BE COMPUTED WITH THE FORMULA ON PAGE 5.

TABLE 1. --AREA, BY LAND CLASS AND COUNTY, 1978

COUNTY	ALL LAND <sup>1</sup>	FOREST LAND				NONFOREST LAND <sup>2</sup>
		TOTAL	COMMERCIAL FOREST	UNPRODUCTIVE FOREST	PRODUCTIVE-RESERVED	
				ACRES		
ABBEVILLE	325,249	220,533	219,883	--	650	104,716
AIKEN	695,680	489,774	488,900	--	874	205,906
ALLENDALE	267,520	158,504	158,504	--	--	109,016
ANDERSON	477,332	208,201	208,201	--	--	269,131
BAMBERG	252,800	148,795	148,440	--	355	104,005
BARNWELL	353,920	226,357	226,228	--	129	127,563
BEAUFORT	370,560	142,161	140,531	--	1,630	228,399
BERKELEY	710,400	578,703	577,407	--	1,296	131,697
CALHOUN	241,280	130,243	130,243	--	--	111,037
CHARLESTON	600,960	310,989	304,245	1,697	5,047	289,971
CHEROKEE	252,781	155,752	154,802	--	950	97,029
CHESTER	374,532	290,814	290,619	--	195	83,718
CHESTERFIELD	505,600	339,177	337,976	--	1,201	166,423
CLARENDON	383,360	218,177	217,210	514	453	165,183
COLLETON	671,360	476,667	476,667	--	--	194,693
DARLINGTON	347,520	169,683	169,683	--	--	177,837
DILLON	260,480	144,979	144,331	--	648	115,501
DORCHESTER	364,160	271,644	271,334	--	310	92,516
EDGEFIELD	308,297	234,637	234,637	--	--	73,660
FAIRFIELD	442,192	386,015	386,015	--	--	56,177
FLORENCE	515,200	287,280	287,280	--	--	227,920
GEORGETOWN	519,680	378,174	374,248	1,426	2,500	141,506
GREENVILLE	508,208	299,821	278,448	--	21,373	208,387
GREENWOOD	289,866	206,286	205,672	--	614	83,580
HAMPTON	359,680	245,589	245,589	--	--	114,091
HORRY	738,560	490,332	489,560	256	516	248,228
JASPER	417,280	313,206	299,706	--	13,500	104,074
KERSHAW	499,840	395,135	394,680	--	455	104,705
LANCASTER	322,050	235,933	235,604	--	329	86,117
LAURENS	456,691	305,701	305,701	--	--	150,990
LEE	261,760	120,377	118,996	--	1,381	141,383
LEXINGTON	458,880	267,942	267,942	--	--	190,938
MCCORMICK	244,090	207,036	206,778	--	258	37,054
MARION	311,680	215,743	215,743	--	--	95,937
MARLBORO	309,120	172,181	172,181	--	--	136,939
NEWBERRY	407,824	315,829	315,829	--	--	91,995
OCONEE	399,670	284,580	280,294	--	4,286	115,090
ORANGEBURG	707,840	369,503	369,300	--	203	338,337
PICKENS	320,775	214,980	209,464	--	5,516	105,795
RICHLAND	478,720	328,485	327,160	--	1,325	150,235
SALUDA	286,161	187,758	187,758	--	--	98,403
SPARTANBURG	531,182	271,268	271,227	--	41	259,914
SUMTER	430,080	233,756	231,926	--	1,830	196,324
UNION	329,600	272,386	272,352	--	34	57,214
WILLIAMSBURG	598,400	388,860	388,860	--	--	209,540
YORK	440,887	269,252	264,752	--	4,500	171,635
TOTAL	19,349,707	12,579,198	12,502,906	3,893	72,399	6,770,509

<sup>1</sup> FROM U. S. BUREAU OF THE CENSUS, LAND AND WATER AREA OF THE UNITED STATES, 1970.

<sup>2</sup> INCLUDES 230,308 ACRES OF WATER ACCORDING TO SURVEY STANDARDS OF AREA CLASSIFICATION. BUT DEFINED BY THE BUREAU OF THE CENSUS AS LAND.

TABLE 2. -- AREA OF COMMERCIAL FOREST LAND, BY OWNERSHIP CLASS AND COUNTY, 1978

COUNTY	ALL OWNERSHIPS	OWNERSHIP CLASS							
		NATIONAL FOREST	MISCELLANEOUS FEDERAL	STATE	COUNTY AND MUNICIPAL	FOREST INDUSTRY <sup>1</sup>	FARMER	MISCELLANEOUS PRIVATE	
								CORPORATE	INDIVIDUAL
-- ACRES --									
ABBEVILLE	219,883	18,437	1,056	--	272	56,392	68,663	22,556	52,507
AIKEN	488,900	6,021	61,776	1,413	843	46,825	157,756	53,646	160,620
ALLEDALE	158,504	--	3,908	1	68	48,112	66,808	20,556	19,051
ANDERSON	208,201	--	6,998	6,063	343	7,260	101,319	35,558	50,660
BAMBERG	148,440	--	--	10	130	20,529	79,095	6,084	42,592
BARNWELL	226,228	--	109,076	716	244	20,610	48,706	11,461	35,415
BEAUFORT	140,531	--	4,376	1,502	567	9,478	14,835	26,702	83,071
BERKELEY	577,407	183,687	9,550	12,078	551	154,798	97,374	37,696	81,673
CALHOUN	130,243	--	--	1,595	34	5,009	80,236	3,251	40,118
CHARLESTON	304,245	50,310	1,390	4,518	692	66,519	48,865	39,097	92,854
CHEROKEE	154,802	--	--	--	88	11,668	91,767	10,652	40,627
CHESTER	290,619	11,082	--	340	617	47,818	105,650	43,746	81,366
CHESTERFIELD	337,976	--	41,759	48,312	128	22,194	141,020	20,693	63,870
CLARENDON	217,210	--	2,320	4,624	50	43,153	102,390	21,556	43,117
COLLETON	476,667	--	--	1,447	690	115,554	217,192	24,133	117,651
DARLINGTON	169,683	--	--	1,664	226	12,710	102,272	15,754	37,057
DILLON	144,331	--	--	--	138	24,231	84,228	15,313	20,421
DORCHESTER	271,334	--	--	1,714	50	82,160	117,478	27,974	41,958
EDGEFIELD	234,637	29,462	--	--	235	50,711	62,695	5,331	86,203
FAIRFIELD	386,015	12,748	--	3,000	60	83,194	101,377	14,087	171,549
FLORENCE	287,280	--	--	893	317	49,381	198,512	7,635	30,542
GEORGETOWN	374,248	--	--	365	515	221,997	56,762	35,748	58,861
GREENVILLE	278,448	--	--	41	2,539	6,895	136,655	37,714	94,604
GREENWOOD	205,672	7,896	--	710	1,379	30,949	71,293	17,961	75,484
HAMPTON	245,589	--	--	5,305	148	58,755	103,197	18,766	59,418
HORRY	489,560	--	788	523	209	139,297	150,157	92,026	106,560
JASPER	299,706	--	--	5	134	100,059	60,395	101,478	37,635
KERSHAW	394,680	--	--	571	1,958	69,936	107,121	44,432	170,662
LANCASTER	235,604	--	--	194	318	28,905	64,399	45,191	96,597
LAURENS	305,701	19,663	--	944	1,123	56,331	144,252	17,813	65,575
LEE	118,996	--	--	1,215	50	15,519	72,675	4,382	25,155
LEXINGTON	267,942	--	--	314	285	2,511	122,726	41,986	100,120
MCCORMICK	206,778	50,782	26,400	922	597	41,883	35,314	3,799	47,081
MARION	215,743	--	--	15	213	94,083	54,520	2,478	64,434
MARLBORO	172,181	--	--	70	57	45,110	85,098	26,830	15,016
NEWBERRY	315,829	55,231	--	--	599	54,836	102,520	9,445	93,198
OCONEE	280,294	74,125	5,378	2,993	2,127	919	63,407	58,880	72,465
ORANGEBURG	369,300	--	1,175	6,249	395	36,599	187,424	10,391	127,067
PICKENS	209,464	--	818	9,805	65	1,638	43,710	61,635	91,793
RICHLAND	327,160	--	44,470	3,924	235	29,079	73,618	39,110	136,724
SALUDA	187,758	2,531	--	--	196	29,160	82,442	23,049	50,380
SPARTANBURG	271,227	--	--	6,131	2,065	19,543	119,041	14,555	109,892
SUMTER	231,926	--	622	32,124	570	23,901	104,828	14,975	54,906
UNION	272,352	56,749	--	90	83	48,227	59,631	9,995	97,577
WILLIAMSBURG	388,860	--	--	16	152	88,094	185,169	43,284	72,145
YORK	264,752	--	--	4,682	790	20,048	118,911	36,274	84,047
TOTAL	12,502,906	578,724	321,860	167,098	23,145	2,242,580	4,493,503	1,275,678	3,400,318

<sup>1</sup> NOT INCLUDING 82,516 ACRES OF FARMER-OWNED AND MISCELLANEOUS PRIVATE LANDS LEASED TO FOREST INDUSTRY.

TABLE 3. --AREA OF COMMERCIAL FOREST LAND, BY FOREST-TYPE GROUP AND COUNTY, 1978

COUNTY	ALL TYPE GROUPS	FOREST-TYPE GROUP								
		WHITE PINE- HEMLOCK	SPRUCE- FIR	LONGLEAF- SLASH	LOBLOLLY- SHORTLEAF	OAK- PINE	OAK- HICKORY	OAK-GUM- CYPRESS	ELM-ASH- COTTONWOOD	MAPLE-BEECH- BIRCH
-- ACRES --										
ABBEVILLE	219,883	--	--	--	83,725	59,758	66,095	--	10,305	--
AIKEN	488,900	--	--	142,556	117,211	64,678	107,616	50,887	5,952	--
ALLENDALE	158,504	--	--	22,356	63,667	7,710	26,562	18,490	19,719	--
ANDERSON	208,201	--	--	--	68,758	42,948	81,297	--	15,198	--
BAMBERG	148,440	--	--	21,369	30,508	18,254	29,432	48,877	--	--
BARNWELL	226,228	--	--	53,247	60,766	30,665	36,120	45,430	--	--
BEAUFORT	140,531	--	--	24,641	26,103	24,303	28,901	36,583	--	--
BERKELEY	577,407	--	--	38,886	267,607	69,621	60,463	129,760	11,070	--
CALHOUN	130,243	--	--	21,402	40,152	12,344	27,774	25,485	3,086	--
CHARLESTON	304,245	--	--	26,223	122,861	45,510	71,698	37,953	--	--
CHEROKEE	154,802	--	--	--	68,310	23,762	62,730	--	--	--
CHESTER	290,619	--	--	--	191,915	34,720	55,235	--	8,749	--
CHESTERFIELD	337,976	--	--	85,135	68,331	53,867	88,721	32,521	9,401	--
CLARENDON	217,210	--	--	7,779	56,993	17,172	54,173	81,093	--	--
COLLETON	476,667	--	--	59,998	155,837	46,756	56,760	157,316	--	--
DARLINGTON	169,683	--	--	18,389	26,161	31,821	63,508	29,804	--	--
DILLON	144,331	--	--	--	30,908	18,283	41,396	53,744	--	--
DORCHESTER	271,334	--	--	28,006	49,410	53,326	42,222	98,370	--	--
EDGEFIELD	234,637	--	--	--	120,854	27,429	83,899	--	2,455	--
FAIRFIELD	386,015	--	--	--	280,058	46,896	50,951	--	8,110	--
FLORENCE	287,280	--	--	7,635	109,894	46,403	35,329	85,774	2,245	--
GEORGETOWN	374,248	--	--	21,661	132,490	61,861	38,624	119,612	--	--
GREENVILLE	278,448	--	--	--	74,509	26,278	177,661	--	--	--
GREENWOOD	205,672	--	--	--	118,256	41,936	32,899	--	12,581	--
HAMPTON	245,589	--	--	54,209	42,602	18,573	24,636	105,569	--	--
HORRY	489,560	--	--	33,285	184,743	53,796	49,464	165,850	2,422	--
JASPER	299,706	--	--	64,417	80,407	20,913	28,136	99,123	6,710	--
KERSHAW	394,680	--	--	70,318	141,019	53,384	81,770	28,965	19,224	--
LANCASTER	235,604	--	--	--	88,245	41,398	105,961	--	--	--
LAURENS	305,701	--	--	--	155,697	40,093	100,418	--	9,493	--
LEE	118,996	--	--	8,385	40,064	16,772	22,670	31,105	--	--
LEXINGTON	267,942	--	--	45,532	70,330	45,215	87,202	13,203	6,460	--
MCCORMICK	206,778	--	--	--	133,851	24,393	42,892	--	5,642	--
MARION	215,743	--	--	4,956	47,424	37,430	40,169	75,659	10,105	--
MARLBORO	172,181	--	--	14,409	31,952	8,585	62,489	44,992	9,754	--
NEWBERRY	315,829	--	--	--	213,696	32,619	48,679	--	20,835	--
OCONEE	280,294	4,632	--	--	100,365	65,593	109,704	--	--	--
ORANGEBURG	369,300	--	--	18,698	65,265	57,990	83,717	143,630	--	--
PICKENS	209,464	8,742	--	--	46,321	34,969	119,432	--	--	--
RICHLAND	327,160	--	--	44,019	94,888	49,916	59,455	44,033	34,849	--
SALUDA	187,758	--	--	4,580	113,490	22,901	46,787	--	--	--
SPARTANBURG	271,227	--	--	--	127,896	54,271	79,903	--	9,157	--
SUMTER	231,926	--	--	17,284	57,700	24,918	56,795	67,319	7,910	--
UNION	272,352	--	--	--	122,984	27,209	104,965	--	17,194	--
WILLIAMSBURG	388,860	--	--	23,874	121,105	54,878	69,396	119,607	--	--
YORK	264,752	--	--	--	128,969	26,427	100,548	--	8,808	--
TOTAL	12,502,906	13,374	--	983,249	4,574,297	1,718,544	2,945,254	1,990,754	277,434	--

TABLE 4. --AREA OF COMMERCIAL FOREST LAND, BY STAND-SIZE CLASS  
AND COUNTY, 1978

COUNTY	ALL STANDS	STAND-SIZE CLASS			NONSTOCKED AREAS
		SAWTIMBER	POLETIMBER	SAPLING- SEEDLING	
- - - - - ACRES - - - - -					
ABBEVILLE	219,883	34,539	103,649	81,695	--
AIKEN	488,900	182,697	104,502	151,527	50,174
ALLENDALE	158,504	87,998	16,482	51,455	2,569
ANDERSON	208,201	96,590	96,639	14,972	--
BAMBERG	148,440	62,981	58,939	26,520	--
BARNWELL	226,228	109,160	64,196	44,413	8,459
BEAUFORT	140,531	90,670	32,039	17,822	--
BERKELEY	577,407	308,076	91,991	168,549	8,791
CALHOUN	130,243	62,552	33,745	30,860	3,086
CHARLESTON	304,245	185,635	60,216	58,394	--
CHEROKEE	154,802	28,132	70,007	52,293	4,370
CHESTER	290,619	70,004	112,248	108,367	--
CHESTERFIELD	337,976	114,055	85,242	115,405	23,274
CLARENDON	217,210	119,588	36,931	55,302	5,389
COLLETON	476,667	232,568	118,662	112,027	13,410
DARLINGTON	169,683	79,168	29,710	57,341	3,464
DILLON	144,331	58,984	40,979	41,676	2,692
DORCHESTER	271,334	158,966	53,469	58,899	--
EDGEFIELD	234,637	100,648	55,849	78,140	--
FAIRFIELD	386,015	129,871	160,962	91,127	4,055
FLORENCE	287,280	160,020	50,901	73,814	2,545
GEORGETOWN	374,248	176,510	66,980	125,277	5,481
GREENVILLE	278,448	127,837	110,372	40,239	--
GREENWOOD	205,672	79,901	44,499	73,535	7,737
HAMPTON	245,589	125,899	67,475	52,215	--
HORRY	489,560	266,661	115,528	96,912	10,459
JASPER	299,706	144,825	73,182	64,277	17,422
KERSHAW	394,680	118,105	107,767	158,803	10,005
LANCASTER	235,604	56,839	86,923	85,345	6,497
LAURENS	305,701	92,864	134,091	78,746	--
LEE	118,996	55,250	35,794	27,952	--
LEXINGTON	267,942	109,090	58,446	58,137	42,269
MCCORMICK	206,778	108,141	52,204	46,433	--
MARION	215,743	135,323	35,165	40,233	5,022
MARLBORO	172,181	61,998	45,669	62,140	2,374
NEWBERRY	315,829	159,789	117,858	34,755	3,427
OCONEE	280,294	124,346	104,481	51,467	--
ORANGEBURG	369,300	147,474	91,711	125,764	4,351
PICKENS	209,464	99,962	61,354	48,148	--
RICHLAND	327,160	155,113	92,586	72,244	7,217
SALUDA	187,758	76,373	73,905	37,480	--
SPARTANBURG	271,227	88,388	123,835	54,426	4,578
SUMTER	231,926	109,466	47,714	70,790	3,956
UNION	272,352	107,979	102,403	61,970	--
WILLIAMSBURG	388,860	191,274	81,156	106,986	9,444
YORK	264,752	61,937	144,374	58,441	--
TOTAL	12,502,906	5,454,246	3,552,830	3,223,313	272,517

TABLE 5.--AREA OF COMMERCIAL FOREST LAND, BY SITE CLASS AND COUNTY, 1978

COUNTY	ALL CLASSES	SITE CLASS				
		1	2	3	4	5
ACRES						
ABBEVILLE	219,883	--	--	27,031	161,648	31,204
AIKEN	488,900	--	--	48,749	224,981	215,170
ALLENDALE	158,504	--	--	23,157	124,201	11,146
ANDERSON	208,201	--	--	40,528	162,607	5,066
BAMBERG	148,440	--	--	33,538	92,543	22,359
BARNWELL	226,228	--	3,582	54,446	137,535	30,665
BEAUFORT	140,531	--	12,658	60,939	51,309	15,625
BERKELEY	577,407	2,482	47,768	184,566	295,242	47,349
CALHOUN	130,243	--	3,086	40,916	56,544	29,697
CHARLESTON	304,245	2,217	55,639	101,559	111,772	33,058
CHEROKEE	154,802	--	--	17,480	131,655	5,667
CHESTER	290,619	--	--	23,519	250,196	16,904
CHESTERFIELD	337,976	--	2,311	32,366	125,456	177,843
CLARENDON	217,210	--	--	76,453	111,422	29,335
COLLETON	476,667	6,033	17,544	136,034	280,631	36,425
DARLINGTON	169,683	--	--	58,339	83,339	28,005
DILLON	144,331	--	--	36,011	85,066	23,254
DORCHESTER	271,334	--	15,737	112,500	120,649	22,448
EDGEFIELD	234,637	2,455	--	44,278	168,312	19,592
FAIRFIELD	386,015	--	--	44,013	292,106	49,896
FLORENCE	287,280	--	7,636	77,994	174,257	27,393
GEORGETOWN	374,248	--	5,480	102,154	201,946	64,668
GREENVILLE	278,448	--	--	95,574	167,109	15,765
GREENWOOD	205,672	--	4,194	52,413	140,679	8,386
HAMPTON	245,589	3,127	3,127	43,212	159,925	36,198
HORRY	489,560	--	19,632	121,512	245,935	102,481
JASPER	299,706	4,003	14,716	100,728	148,115	32,144
KERSHAW	394,680	--	4,868	42,822	217,749	129,241
LANCASTER	235,604	--	--	15,697	182,914	36,993
LAURENS	305,701	--	6,555	51,411	232,748	14,987
LEE	118,996	--	--	14,594	65,271	39,131
LEXINGTON	267,942	--	--	6,460	135,207	126,275
MCCORMICK	206,778	--	--	46,762	138,333	21,683
MARION	215,743	--	5,021	82,489	110,627	17,606
MARLBORO	172,181	--	--	56,407	90,055	25,719
NEWBERRY	315,829	--	--	79,951	226,616	9,262
OONEE	280,294	4,529	9,266	23,564	146,714	96,221
ORANGEBURG	369,300	--	--	137,954	205,935	25,411
PICKENS	209,464	--	--	24,747	145,378	39,339
RICHLAND	327,160	--	2,301	46,354	203,349	75,156
SALUDA	187,758	--	--	47,492	135,686	4,580
SPARTANBURG	271,227	--	9,156	44,447	179,442	38,182
SUMTER	231,926	--	6,451	76,656	126,542	22,277
UNION	272,352	--	5,421	57,935	187,223	21,773
WILLIAMSBURG	388,860	--	16,748	64,498	209,889	97,725
YORK	264,752	4,405	--	35,234	181,069	44,044
TOTAL	12,502,906	29,251	278,897	2,745,483	7,425,927	2,023,348

TABLE 6. --AREA OF COMMERCIAL FOREST LAND, BY STOCKING CLASSES OF GROWING-STOCK TREES, BY COUNTY, 1978

COUNTY	ALL CLASSES	STOCKING PERCENTAGE <sup>1</sup>				
		OVER 130	100-130	60-99	16.7-59	LESS THAN 16.7
- - - - - ACRES - - - - -						
ABBEVILLE	219,883	4,039	82,804	118,562	14,478	--
AIKEN	488,900	2,942	59,707	199,812	176,265	50,174
ALLENDALE	158,504	1,066	66,576	60,864	27,429	2,569
ANDERSON	208,201	5,162	121,866	60,566	20,607	--
BAMBERG	148,440	5,095	30,627	85,329	27,389	--
BARNWELL	226,228	6,696	56,687	86,748	67,638	8,459
BEAUFORT	140,531	7,512	30,574	51,217	51,228	--
BERKELEY	577,407	8,998	233,029	275,256	51,333	8,791
CALHOUN	130,243	--	44,167	52,130	30,860	3,086
CHARLESTON	304,245	19,934	99,620	142,201	42,490	--
CHEROKEE	154,802	--	52,295	63,178	34,959	4,370
CHESTER	290,619	5,977	142,223	117,902	24,517	--
CHESTERFIELD	337,976	10,739	48,777	120,974	134,212	23,274
CLARENDON	217,210	15,096	55,657	129,895	11,173	5,389
COLLETON	476,667	23,575	171,246	209,775	58,661	13,410
DARLINGTON	169,683	--	30,286	89,590	46,343	3,464
DILLON	144,331	5,245	40,974	77,132	18,288	2,692
DORCHESTER	271,334	5,594	94,467	131,896	39,377	--
EDGEFIELD	234,637	--	73,362	129,927	31,348	--
FAIRFIELD	386,015	--	164,072	180,247	37,641	4,055
FLORENCE	287,280	9,579	82,176	152,842	40,138	2,545
GEORGETOWN	374,248	11,150	179,909	142,978	34,730	5,481
GREENVILLE	278,448	5,256	57,816	180,354	35,022	--
GREENWOOD	205,672	12,580	86,984	81,598	16,773	7,737
HAMPTON	245,589	15,066	109,169	102,589	18,765	--
HORRY	489,560	19,886	115,283	235,939	107,993	10,459
JASPER	299,706	4,002	98,612	137,462	42,208	17,422
KERSHAW	394,680	--	100,139	176,903	107,633	10,005
LANCASTER	235,604	9,200	87,258	117,940	14,709	6,497
LAURENS	305,701	4,697	142,631	140,889	17,484	--
LEE	118,996	--	44,181	54,941	19,874	--
LEXINGTON	267,942	3,229	31,579	93,657	97,208	42,269
MCCORMICK	206,778	--	91,668	95,772	19,338	--
MARION	215,743	10,171	59,945	97,895	42,710	5,022
MARLBORO	172,181	--	50,548	83,589	35,670	2,374
NEWBERRY	315,829	26,094	151,669	98,592	36,047	3,427
OCONEE	280,294	--	50,028	149,675	80,591	--
ORANGEBURG	369,300	15,522	97,174	179,162	73,091	4,351
PICKENS	209,464	2,079	50,598	134,401	22,386	--
RICHLAND	327,160	2,301	70,912	151,182	95,548	7,217
SALUDA	187,758	18,796	90,393	69,129	9,440	--
SPARTANBURG	271,227	4,578	118,739	116,530	26,802	4,578
SUMTER	231,926	1,461	69,937	120,914	35,658	3,956
UNION	272,352	7,671	116,801	108,677	39,203	--
WILLIAMSBURG	388,860	7,215	125,657	191,692	54,852	9,444
YORK	264,752	4,405	88,008	137,104	35,235	--
TOTAL	12,502,906	322,608	4,066,830	5,735,607	2,105,344	272,517

<sup>1</sup> SEE STOCKING STANDARDS ON PAGE 12.

TABLE 7. -- VOLUME OF SAWTIMBER AND GROWING STOCK ON COMMERCIAL FOREST LAND, BY SPECIES GROUP AND COUNTY, 1978

COUNTY	SAWTIMBER					GROWING STOCK				
	ALL SPECIES	PINE	OTHER SOFTWOOD	SOFT HARDWOOD	HARD HARDWOOD	ALL SPECIES	PINE	OTHER SOFTWOOD	SOFT HARDWOOD	HARD HARDWOOD
	THOUSAND BOARD FEET					THOUSAND CUBIC FEET				
ABBEVILLE	689,320	302,384	5,793	215,406	165,737	257,180	97,983	5,283	75,864	78,050
AIKEN	1,343,079	866,739	12,763	318,101	145,476	412,087	252,355	3,114	98,209	58,409
ALLEDALE	870,083	454,096	40,969	194,573	180,445	248,762	127,794	10,417	57,954	52,597
ANDERSON	779,065	314,192	8,373	193,176	263,324	307,461	127,964	2,173	59,229	118,095
BAMBERG	673,813	300,586	68,892	217,015	87,320	218,776	96,358	17,112	68,215	37,091
BARNWELL	828,715	462,714	29,845	208,119	128,037	274,695	134,917	10,288	85,672	43,818
BEAUFORT	874,086	497,020	5,055	248,052	123,959	228,677	121,992	1,121	67,475	38,089
BERKELEY	3,317,555	2,055,314	129,314	557,252	575,675	854,590	486,448	33,635	188,538	145,969
CALHOUN	724,599	405,861	9,645	221,220	87,873	202,718	104,399	2,499	66,806	29,014
CHARLESTON	2,050,810	1,402,742	106,742	313,805	227,521	549,600	326,790	26,908	117,694	78,208
CHEROKEE	354,100	196,010	1,706	44,428	111,956	158,699	77,652	659	19,937	60,451
CHESTER	730,848	460,387	4,120	106,134	160,207	293,323	178,026	4,544	48,852	61,901
CHESTERFIELD	926,282	496,923	--	318,799	110,560	295,708	148,310	204	100,016	47,178
CLARENDON	1,368,597	453,101	129,855	443,809	341,832	394,458	109,696	32,578	159,109	93,075
COLLETON	2,363,972	1,248,851	101,949	545,398	467,774	731,037	356,163	26,606	204,373	143,895
DARLINGTON	811,618	387,956	54,753	240,991	127,918	215,025	86,413	10,962	68,222	49,428
DILLON	689,880	233,969	38,945	316,026	100,940	220,365	59,219	8,168	110,055	42,923
DORCHESTER	1,585,779	676,871	163,565	378,975	366,368	463,973	180,130	37,834	137,363	108,646
EDGEFIELD	1,433,246	1,154,416	2,854	170,579	105,397	399,078	292,359	906	60,151	45,662
FAIRFIELD	1,107,055	884,473	5,668	120,162	96,752	415,502	300,493	4,420	58,489	52,100
FLORENCE	1,960,511	1,100,862	106,729	472,425	280,495	502,981	254,672	24,770	139,864	83,675
GEORGETOWN	1,816,176	946,588	96,478	514,216	258,894	528,175	250,583	23,302	173,253	81,037
GREENVILLE	989,120	291,772	8,690	235,140	453,518	386,597	132,725	1,954	89,732	162,186
GREENWOOD	1,217,978	888,031	2,046	177,390	150,511	345,712	239,568	1,031	57,530	47,583
HAMPTON	1,581,062	523,263	123,167	450,505	484,127	482,891	161,868	29,986	156,235	134,802
HORRY	2,782,756	1,200,833	201,074	971,297	409,552	796,755	314,808	49,768	314,727	117,452
JASPER	1,452,082	613,665	147,807	299,750	390,860	424,890	187,269	33,960	100,120	103,541
KERSHAW	1,057,201	685,456	11,667	254,016	106,062	345,372	212,803	3,521	80,511	48,537
LANCASTER	516,692	224,025	7,352	127,076	158,239	237,948	113,089	4,252	51,712	68,895
LAURENS	1,037,430	549,711	5,080	229,196	253,443	400,295	200,243	5,307	94,623	100,122
LEE	416,786	177,152	1,429	174,028	64,177	139,973	55,841	314	58,209	25,609
LEXINGTON	947,213	712,566	4,349	102,020	128,278	263,191	183,726	1,734	34,244	43,487
MCCORMICK	1,109,470	864,504	4,131	132,941	107,894	304,906	217,507	2,907	40,842	43,650
MARION	1,712,887	509,769	145,912	789,979	267,227	438,702	115,763	30,480	214,398	78,061
MARLBORO	557,868	134,749	40,029	275,339	107,751	189,490	41,785	9,033	102,306	36,366
NEWBERRY	1,721,735	1,324,929	14,874	210,342	171,590	542,065	389,959	8,182	72,637	71,287
OCONEE	908,038	409,753	122,351	78,630	297,304	341,284	164,855	23,867	29,707	122,855
ORANGEBURG	1,623,777	619,783	112,154	546,285	345,555	546,952	179,229	31,173	209,738	126,812
PICKENS	786,296	171,198	24,371	204,954	385,773	271,733	63,125	6,057	61,543	141,008
RICHLAND	1,335,079	601,650	27,489	462,551	243,389	386,368	169,368	7,934	128,204	80,862
SALUDA	899,504	706,268	1,294	46,650	145,292	300,222	220,663	437	27,848	51,274
SPARTANBURG	931,578	445,925	6,953	186,205	292,495	364,137	178,216	2,291	62,282	121,348
SUMTER	1,201,590	492,527	47,888	489,385	171,790	325,008	117,171	11,787	140,131	55,919
UNION	1,104,002	478,154	4,657	287,101	334,090	366,812	167,024	2,211	81,875	115,702
WILLIAMSBURG	1,714,016	905,624	50,471	295,528	462,393	495,497	229,805	13,020	115,005	137,667
YORK	664,710	239,866	6,340	227,277	191,227	310,705	126,666	4,615	79,878	99,546
TOTAL	55,568,059	29,073,228	2,245,588	13,612,246	10,636,997	17,180,375	8,353,792	573,324	4,569,377	3,683,882

\* FACTORS FOR CONVERTING TO CORDS ARE SHOWN ON PAGE 12.

TABLE 8. --NET ANNUAL GROWTH OF SAWTIMBER AND GROWING STOCK ON COMMERCIAL FOREST LAND, BY SPECIES GROUP AND COUNTY, 1977

COUNTY	SAWTIMBER					GROWING STOCK				
	ALL SPECIES	PINE	OTHER SOFTWOOD	SOFT HARDWOOD	HARD HARDWOOD	ALL SPECIES	PINE	OTHER SOFTWOOD	SOFT HARDWOOD	HARD HARDWOOD
	-- THOUSAND BOARD FEET --					-- THOUSAND CUBIC FEET --				
ABBEVILLE	46,092	23,611	229	12,404	9,848	15,039	6,773	575	4,154	3,537
AIKEN	94,982	75,716	322	11,284	7,660	25,659	19,920	64	3,085	2,590
ALLENDALE	60,355	42,260	816	7,583	9,696	14,646	10,016	185	2,580	1,865
ANDERSON	55,658	27,830	155	9,820	17,853	18,172	9,281	229	2,693	5,969
BAMBERG	49,190	31,090	1,564	10,729	5,807	12,094	7,581	327	2,495	1,691
BARNWELL	61,253	39,669	1,023	13,235	7,326	16,287	10,486	212	3,631	1,958
BEAUFORT	47,088	33,109	128	8,461	5,390	12,409	8,377	29	2,356	1,647
BERKELEY	174,209	122,898	3,345	23,765	24,201	40,866	28,494	826	6,142	5,404
CALHOUN	46,075	30,595	264	12,089	3,127	11,721	8,268	50	2,410	993
CHARLESTON	123,637	91,399	3,235	14,863	14,140	24,987	16,858	527	4,144	3,458
CHEROKEE	29,132	14,998	87	3,255	10,792	8,638	4,801	30	984	2,823
CHESTER	56,971	43,120	248	5,740	7,863	20,794	14,868	684	2,348	2,894
CHESTERFIELD	55,570	36,325	--	13,918	5,327	18,200	11,531	58	4,114	2,497
CLARENDON	73,185	27,535	4,255	23,617	17,778	16,904	6,875	869	5,395	3,765
COLLETON	159,887	106,054	2,700	22,806	28,317	48,371	33,403	657	8,374	5,937
DARLINGTON	42,502	24,540	1,365	10,181	6,416	10,754	4,979	226	2,828	2,721
DILLON	37,212	15,283	1,015	14,282	6,632	10,534	3,319	212	4,983	2,020
DORCHESTER	96,211	58,916	3,714	16,673	16,908	23,499	13,196	900	4,888	4,515
EDGEFIELD	87,734	71,455	118	9,273	6,888	22,742	17,817	37	2,900	1,988
FAIRFIELD	93,405	78,404	412	7,187	7,402	31,108	25,412	263	2,878	2,555
FLORENCE	102,976	64,344	3,213	21,914	13,505	23,152	14,208	588	4,693	3,663
GEORGETOWN	101,426	67,315	3,143	19,752	11,216	26,682	16,454	562	6,347	3,319
GREENVILLE	70,114	33,319	234	15,993	20,568	22,382	10,812	69	4,381	7,120
GREENWOOD	84,159	68,724	115	7,614	7,706	21,278	16,468	129	2,726	1,955
HAMPTON	93,990	48,168	3,417	22,556	19,849	24,287	12,843	626	5,433	5,385
HORRY	151,229	83,249	6,103	44,035	17,842	36,103	19,731	1,346	10,071	4,955
JASPER	87,548	53,424	3,728	11,493	18,903	26,102	17,275	664	4,271	3,892
KASPER	70,202	53,859	260	10,173	5,910	24,435	17,848	110	3,653	2,824
KERSHAW	46,863	30,301	554	7,339	8,669	16,481	10,245	258	2,861	3,117
LANCASTER	84,501	54,204	974	13,854	15,469	27,526	17,666	285	4,378	5,197
LAURENS	23,702	12,891	19	6,973	3,819	8,185	4,550	3	2,556	1,076
LEE	62,714	50,916	153	6,673	4,972	15,600	12,522	46	1,561	1,471
LEXINGTON	64,581	52,875	657	5,275	5,774	17,927	13,701	130	1,894	2,202
MCCORMICK	75,491	28,811	4,038	30,266	12,376	18,671	6,747	709	7,679	3,536
MARION	40,195	14,884	1,481	17,061	6,769	9,636	3,463	270	4,026	1,877
MARLBORO	127,765	103,699	954	10,215	12,897	35,824	28,990	517	2,764	3,553
NEWBERRY	57,258	27,307	5,246	6,093	18,612	20,752	11,353	1,092	1,845	6,462
OCONEE	106,476	55,066	2,748	28,419	20,243	29,339	14,686	617	7,412	6,624
ORANGEBURG	50,487	14,491	2,084	14,268	19,644	13,337	3,702	410	3,419	5,806
PICKENS	80,378	49,566	974	17,875	11,963	20,921	12,226	517	4,652	3,526
RICHLAND	76,106	65,897	44	2,768	7,397	20,635	17,133	17	1,420	2,065
SALUDA	74,244	35,097	296	13,723	25,128	20,916	11,136	906	2,808	6,066
SPARTANBURG	61,583	30,883	1,352	21,372	7,976	14,612	7,015	305	4,714	2,578
SUMTER	79,347	47,584	196	12,471	19,096	20,696	12,532	97	3,291	4,776
UNION	108,303	69,201	1,857	16,329	20,916	24,877	13,876	295	5,107	5,599
WILLIAMSBURG	57,237	26,914	848	11,743	17,732	19,565	10,404	380	3,760	5,021
YORK										
TOTAL	3,529,223	2,237,806	69,683	647,412	574,322	963,345	599,841	17,908	181,104	164,492



TABLE 9. ---ANNUAL REMOVALS OF SAWTIMBER AND GROWING STOCK ON COMMERCIAL FOREST LAND, BY SPECIES GROUP AND COUNTY, 1977

COUNTY	SAWTIMBER				GROWING STOCK					
	ALL SPECIES	PINE	OTHER SOFTWOOD	SOFT HARDWOOD	HARD HARDWOOD	ALL SPECIES	PINE	OTHER SOFTWOOD	SOFT HARDWOOD	HARD HARDWOOD

TABLE 10. --AREA OF COMMERCIAL FOREST LAND, BY FOREST TYPE AND OWNERSHIP CLASS, 1978

FOREST TYPE	ALL OWNERSHIPS	OWNERSHIP CLASS				
		NATIONAL FOREST	OTHER PUBLIC	FOREST INDUSTRY	FARMER	MISC. PRIVATE
-- ACRES --						
SOFTWOOD TYPES:						
WHITE PINE-HEMLOCK	13,374	4,632	--	--	--	8,742
SPRUCE-FIR	--	--	--	--	--	--
LONGLEAF PINE	471,112	20,024	96,468	34,494	121,794	198,332
SLASH PINE	512,137	2,482	58,863	158,291	114,723	177,778
LOBLOLLY PINE	3,403,718	266,979	117,822	829,375	1,035,155	1,154,387
SHORTLEAF PINE	655,877	31,539	22,154	63,193	236,043	302,948
VIRGINIA PINE	178,021	4,632	--	3,613	90,148	79,628
SAND PINE	--	--	--	--	--	--
EASTERN REDCEDAR	22,764	--	--	2,864	17,600	2,300
POND PINE	301,549	15,224	10,102	78,250	94,092	103,881
SPRUCE PINE	7,735	--	724	7,011	--	--
PITCH PINE	4,633	4,633	--	--	--	--
TABLE-MOUNTAIN PINE	--	--	--	--	--	--
TOTAL	5,570,920	350,145	306,133	1,177,091	1,709,555	2,027,996
HARDWOOD TYPES:						
OAK-PINE	1,718,544	70,391	58,662	217,780	697,248	674,463
OAK-HICKORY	2,694,392	80,571	68,127	332,448	1,150,352	1,062,894
CHESTNUT OAK	4,405	--	--	--	--	4,405
SOUTHERN SCRUB OAK	246,457	--	24,524	15,086	83,693	123,154
OAK-GUM-CYPRESS	1,990,754	60,401	47,697	437,321	784,133	661,202
ELM-ASH-COTTONWOOD	277,434	17,216	6,960	62,854	68,522	121,882
MAPLE-BEECH-BIRCH	--	--	--	--	--	--
TOTAL	6,931,986	228,579	205,970	1,065,489	2,783,948	2,648,000
ALL TYPES	12,502,906	578,724	512,103	2,242,580	4,493,503	4,675,996

TABLE 11. --AREA OF COMMERCIAL FOREST LAND, BY OWNERSHIP AND STOCKING CLASSES OF GROWING-STOCK TREES, 1978

SHOWING STOCK TREES, 1978

OWNERSHIP CLASSES	ALL CLASSES	STOCKING PERCENTAGE <sup>1</sup>				
		OVER 130	100-130	60-99	16.7-59	LESS THAN 16.7
-- ACRES --						
NATIONAL FOREST	578,724	10,427	260,219	263,389	44,689	--
OTHER PUBLIC	512,103	9,176	150,119	208,086	131,081	13,641
FOREST INDUSTRY	2,242,580	80,789	958,625	855,669	292,174	55,323
FARMER	4,493,503	64,990	1,235,628	2,244,540	857,481	90,864
MISC. PRIVATE	4,675,996	157,226	1,462,239	2,163,923	779,919	112,689
ALL OWNERSHIPS	12,502,906	322,608	4,066,830	5,735,607	2,105,344	272,517

<sup>1</sup> SEE STOCKING STANDARDS ON PAGE 12.

TABLE 12. --VOLUME OF TIMBER ON COMMERCIAL FOREST LAND, BY CLASS AND SPECIES GROUP, 1978

CLASS OF TIMBER	ALL SPECIES	PINE	OTHER SOFTWOOD	SOFT HARDWOOD	HARD HARDWOOD
- - - - - THOUSAND CUBIC FEET - - - - -					
SAWTIMBER TREES:					
SAW-LOG PORTION	10,825,859	5,639,640	446,097	2,682,380	2,057,742
UPPER-STEM PORTION	1,031,188	379,186	29,994	351,987	270,021
TOTAL	11,857,047	6,018,826	476,091	3,034,367	2,327,763
POLETIMBER TREES					
ALL GROWING-STOCK TREES	5,323,328	2,334,966	97,233	1,535,010	1,356,119
	17,180,375	8,353,792	573,324	4,569,377	3,683,882
ROUGH TREES:					
SAWTIMBER-SIZE TREES	803,728	87,173	10,106	401,083	305,366
POLETIMBER-SIZE TREES	1,115,948	122,613	8,842	501,953	482,540
TOTAL	1,919,676	209,786	18,948	903,036	787,906
ROTTEN TREES:					
SAWTIMBER-SIZE TREES	223,213	1,597	15,325	131,741	74,550
POLETIMBER-SIZE TREES	27,906	156	390	16,628	10,732
TOTAL	251,119	1,753	15,715	148,369	85,282
SALVABLE DEAD TREES:					
SAWTIMBER-SIZE TREES	25,889	20,307	619	2,775	2,188
POLETIMBER-SIZE TREES	19,063	15,266	609	1,455	1,733
TOTAL	44,952	35,573	1,228	4,230	3,921
TOTAL, ALL TIMBER	19,396,122	8,600,904	609,215	5,625,012	4,560,991

TABLE 13. --NUMBER OF GROWING-STOCK TREES ON COMMERCIAL FOREST LAND, BY SPECIES AND DIAMETER CLASS, 1978

SPECIES	ALL CLASSES	DIAMETER CLASS (INCHES AT BREAST HEIGHT)										29.0 AND LARGER	
		5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9			
THOUSAND TREES													
SOFTWOOD:													
LONGLEAF PINE	59,372	17,945	14,256	11,348	8,000	4,802	2,104	692	157	66	2		
SLASH PINE	88,226	45,788	25,910	10,315	4,032	1,155	681	251	55	41	--		
SHORTLEAF PINE	144,250	66,920	41,931	21,008	9,218	3,283	1,318	456	62	52	--		
LOBLOLLY PINE	485,132	186,867	121,661	74,394	46,196	27,128	15,118	7,615	3,347	2,705	100		
POND PINE	46,375	17,035	11,873	7,502	4,803	2,781	1,367	584	279	151	--		
VIRGINIA PINE	35,209	15,838	9,939	5,631	2,393	1,015	234	131	15	13	--		
PITCH PINE	660	123	174	152	156	23	11	21	--	--	--		
TABLE-MOUNTAIN PINE	--	--	--	--	--	--	--	--	--	--	--		
SPRUCE PINE	1,915	380	342	396	293	187	131	70	70	46	--		
SAND PINE	--	--	--	--	--	--	--	--	--	--	--		
EASTERN WHITE PINE	708	--	198	87	96	83	75	51	24	86	8		
EASTERN HEMLOCK	605	256	149	70	65	32	12	--	--	21	--		
SPRUCE AND FIR	--	--	--	--	--	--	--	--	--	--	--		
BALD CYPRESS	15,078	3,198	2,509	2,503	1,803	1,772	1,304	784	523	620	62		
POND CYPRESS	11,227	3,547	2,570	2,203	1,122	839	1,470	186	155	128	7		
CEDARS	14,636	9,614	3,191	1,319	359	35	43	36	23	16	--		
TOTAL SOFTWOODS	903,395	367,511	234,703	136,928	78,536	43,135	22,868	10,878	4,710	3,945	181		
HARDWOOD:													
SELECT WHITE OAKS	51,342	20,004	12,237	7,942	4,538	2,957	1,856	892	395	473	48		
SELECT RED OAKS	12,626	3,828	2,547	2,016	1,516	1,122	786	412	136	232	31		
CHESTNUT OAK	4,341	1,221	841	981	572	290	150	116	8	62	--		
OTHER WHITE OAKS	22,602	10,305	4,655	3,129	2,017	1,070	531	255	214	340	86		
OTHER RED OAKS	156,633	65,768	37,681	20,869	12,935	7,539	5,014	2,686	1,689	2,105	347		
HICKORY	36,668	15,858	9,150	4,313	2,955	1,965	1,058	591	333	379	66		
YELLOW BIRCH	--	--	--	--	--	--	--	--	--	--	--		
HARD MAPLE	783	454	39	213	22	28	11	--	7	9	--		
SOFT MAPLE	44,356	20,433	9,514	6,086	3,367	2,221	1,307	664	395	350	19		
BEECH	1,896	447	377	293	365	138	85	53	37	108	3		
SWEETGUM	150,453	66,743	35,232	19,963	12,611	7,056	4,184	2,363	1,120	1,094	87		
TUPELO AND BLACKGUM	101,768	29,475	22,429	15,455	13,060	9,341	5,462	3,058	1,567	1,744	177		
ASH	21,280	8,409	4,131	3,544	2,016	1,527	706	476	230	217	24		
COTTONWOOD	2,542	501	372	342	461	206	176	144	51	104	53		
BASSWOOD	2,133	88	--	--	45	--	--	--	--	--	--		
YELLOW-POPLAR	34,655	10,065	6,764	5,708	4,198	3,023	2,009	1,328	837	682	41		
BAY AND MAGNOLIA	2,502	1,466	539	208	137	58	59	5	10	16	4		
BLACK CHERRY	2,744	1,820	711	154	50	9	--	--	--	--	--		
BLACK WALNUT	488	201	24	104	47	26	25	40	5	16	--		
SYCAMORE	2,076	72	420	196	483	399	111	106	104	172	13		
BLACK LOCUST	2,409	173	174	30	24	--	--	8	--	--	--		
ELM	17,687	8,589	3,952	2,066	1,477	634	421	253	137	126	32		
OTHER EASTERN HARDWOODS	15,499	7,051	3,713	1,784	1,249	714	472	216	159	139	2		
TOTAL HARDWOODS	683,483	272,971	155,704	95,426	64,135	40,323	24,423	13,666	7,434	8,368	1,033		
ALL SPECIES	1,586,878	640,482	390,407	232,354	142,671	83,458	47,291	24,544	12,144	12,313	1,214		

TABLE 14. --VOLUME OF ALL LIVE TREES ON COMMERCIAL FOREST LAND, BY SPECIES AND DIAMETER CLASS, 1978

SPECIES	ALL CLASSES	DIAMETER CLASS (INCHES AT BREAST HEIGHT)										29.0 AND LARGER
		5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9		
-- THOUSAND CUBIC FEET --												
SOFTWOOD:												
LONGLEAF PINE	699,227	53,195	95,633	138,532	154,386	132,722	76,651	32,785	8,992	5,708	623	
SLASH PINE	583,840	128,845	174,013	120,751	78,044	34,382	27,535	12,494	3,738	4,038	--	
SHORTLEAF PINE	1,041,055	175,521	267,248	245,781	174,401	93,955	51,963	23,024	4,199	4,585	378	
LOBLOLLY PINE	5,442,108	508,673	801,060	904,416	901,960	779,949	610,661	405,343	234,279	276,384	19,383	
POND PINE	479,421	45,739	77,076	88,522	89,016	74,231	48,363	27,342	16,666	12,466	--	
VIRGINIA PINE	272,243	50,849	72,019	67,909	41,695	25,278	7,445	5,156	884	1,008	--	
PITCH PINE	9,047	628	1,055	1,801	3,359	566	702	936	--	--	--	
TABLE-MOUNTAIN PINE	--	--	--	--	--	--	--	--	--	--	--	
SPRUCE PINE	38,390	1,963	4,218	4,975	6,052	4,639	4,631	3,275	4,471	4,166	--	
SAND PINE	--	--	--	--	--	--	--	--	--	--	--	
EASTERN WHITE PINE	23,448	--	1,082	1,098	1,686	2,173	2,693	2,344	1,551	9,828	993	
EASTERN HEMLOCK	7,135	588	960	730	979	1,011	454	--	--	2,413	--	
SPRUCE AND FIR	--	--	--	--	--	--	--	--	--	--	--	
BALDCYPRESS	372,015	13,248	21,404	37,654	39,727	52,829	52,145	38,686	33,909	60,688	21,725	
PONDICYPRESS	139,972	12,486	16,775	26,134	19,567	21,219	15,787	8,073	8,223	9,563	2,145	
CEDARS	65,417	23,249	16,673	13,291	5,322	1,098	1,274	1,439	1,508	1,563	--	
TOTAL SOFTWOODS	9,173,318	1,014,984	1,549,216	1,651,594	1,516,194	1,224,052	900,304	560,897	318,420	392,410	45,247	
HARDWOOD:												
SELECT WHITE OAKS	629,929	68,301	86,291	97,650	88,703	82,271	68,214	47,019	28,874	49,555	13,051	
SELECT RED OAKS	222,823	15,099	20,292	28,692	32,253	34,313	29,927	22,488	8,985	23,237	7,537	
CHESTNUT OAK	70,044	5,873	8,181	11,932	12,034	9,387	7,316	6,674	824	6,546	1,277	
OTHER WHITE OAKS	351,347	38,477	37,188	40,706	43,293	35,975	24,532	22,134	22,355	53,245	33,442	
OTHER RED OAKS	2,025,754	235,721	275,541	272,128	264,188	219,233	196,493	141,849	115,386	218,359	86,856	
HICKORY	445,253	49,736	59,118	53,791	57,935	58,383	45,735	33,878	23,773	45,750	17,154	
YELLOW BIRCH	--	--	--	--	--	--	--	--	--	--	--	
HARD MAPLE	11,686	2,957	1,032	3,122	1,092	1,170	575	--	503	1,235	--	
SOFT MAPLE	736,562	118,585	111,891	112,177	96,737	85,423	70,462	45,040	37,163	48,381	10,703	
BEECH	48,962	2,384	3,305	5,022	7,483	4,938	4,221	3,229	3,703	13,493	1,184	
SWEETGUM	1,814,882	205,167	261,363	282,071	286,572	227,033	184,097	136,212	85,066	125,686	21,615	
TUPELO AND BLACKGUM	1,899,624	137,713	198,791	249,376	309,906	292,674	228,431	162,481	104,526	173,303	42,423	
ASH	367,931	41,778	45,430	62,955	54,661	52,949	31,237	29,217	17,130	26,320	6,254	
COTTONWOOD	73,604	2,593	4,435	5,408	9,623	6,357	7,531	8,152	4,001	11,375	14,129	
BASSWOOD	1,588	710	96	--	782	--	--	--	--	--	--	
YELLOW-POPLAR	622,006	35,982	50,434	73,907	85,008	89,277	80,413	70,711	55,046	70,282	10,946	
BAY AND MAGNOLIA	32,739	9,421	6,406	3,616	3,496	2,381	2,540	474	717	1,600	2,088	
BLACK CHERRY	33,712	12,454	10,842	6,295	2,752	763	322	--	--	284	--	
BLACK WALNUT	12,710	1,679	541	2,300	1,300	703	1,299	2,591	318	1,979	--	
SYCAMORE	70,454	1,410	3,843	4,297	10,354	13,073	4,628	6,547	7,593	15,938	2,771	
BLACK LOCUST	5,508	1,338	2,141	1,001	300	--	334	394	--	--	--	
ELM	229,981	33,652	34,338	33,729	37,963	22,256	18,938	15,004	9,910	16,454	7,737	
OTHER EASTERN HARDWOODS	470,753	143,464	96,048	70,766	50,547	32,304	26,068	14,381	14,719	18,647	3,809	
TOTAL HARDWOODS	10,177,852	1,164,494	1,317,547	1,420,941	1,456,982	1,270,863	1,033,313	768,475	540,592	921,669	282,976	
ALL SPECIES	19,351,170	2,179,478	2,866,763	3,072,535	2,973,176	2,494,915	1,933,617	1,329,372	859,012	1,314,079	328,223	

TABLE 15. -- VOLUME OF GROWING STOCK ON COMMERCIAL FOREST LAND, BY SPECIES AND DIAMETER CLASS, 1978

SPECIES	ALL CLASSES	DIAMETER CLASS (INCHES AT BREAST HEIGHT)									
		5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29.0 AND LARGER
-- THOUSAND CUBIC FEET --											
SOFTWOOD:											
LONGLEAF PINE	694,977	52,545	94,159	137,984	153,871	132,312	76,472	32,785	8,856	5,708	285
SLASH PINE	564,197	120,653	165,855	118,931	76,961	33,992	27,535	12,494	3,738	4,038	--
SHORTLEAF PINE	1,016,279	169,296	259,559	240,875	170,638	92,625	51,634	22,897	3,792	4,585	378
LOBLOLLY PINE	5,316,362	474,296	764,942	876,451	889,811	775,232	606,318	404,355	232,400	273,174	19,383
POND PINE	461,605	41,544	73,229	84,609	86,300	71,862	48,033	27,159	16,666	12,203	--
VIRGINIA PINE	257,029	47,274	66,299	63,490	41,007	24,466	7,445	5,156	884	1,008	--
PITCH PINE	7,849	354	1,055	1,801	2,791	566	346	936	--	--	--
TABLE-MOUNTAIN PINE	--	--	--	--	--	--	--	--	--	--	--
SPRUCE PINE	35,494	1,079	2,827	4,761	5,840	4,444	4,631	3,275	4,471	4,166	--
SAND PINE	--	--	--	--	--	--	--	--	--	--	--
EASTERN WHITE PINE	23,236	--	1,082	1,098	1,686	2,173	2,693	2,344	1,551	9,616	993
EASTERN HEMLOCK	7,135	588	960	730	979	1,011	454	--	--	2,413	--
SPRUCE AND FIR	--	--	--	--	--	--	--	--	--	--	--
BALDCYPRESS	349,293	11,027	19,696	35,486	37,636	51,904	50,558	38,307	33,423	58,140	13,116
PONDCEYPRESS	133,964	11,107	16,039	25,525	19,195	20,630	14,917	7,795	7,744	9,444	1,568
CEDARS	59,696	21,408	15,326	12,215	5,077	654	1,274	1,270	1,349	1,123	--
TOTAL SOFTWOODS	8,927,116	951,171	1,481,028	1,603,956	1,491,792	1,211,871	892,310	558,773	314,874	385,619	35,723
HARDWOOD:											
SELECT WHITE OAKS	585,406	58,350	78,253	91,817	84,175	80,018	67,075	43,699	25,272	45,372	11,375
SELECT RED OAKS	203,276	12,775	17,329	25,442	28,175	32,159	29,025	21,551	8,822	22,538	5,460
CHESTNUT OAK	53,116	3,089	6,257	10,681	9,461	7,349	5,230	5,655	396	4,998	--
OTHER WHITE OAKS	234,705	27,039	25,194	31,465	31,969	25,390	17,840	11,955	13,585	31,724	18,544
OTHER RED OAKS	1,774,432	194,580	236,185	237,002	235,660	197,971	181,282	127,634	105,039	191,234	67,845
HICKORY	400,630	41,875	53,623	47,266	53,506	53,069	41,995	31,091	22,481	39,991	15,733
YELLOW BIRCH	--	--	--	--	--	--	--	--	--	--	--
HARD MAPLE	8,341	1,442	485	2,752	394	1,170	575	--	503	1,020	--
SOFT MAPLE	461,436	66,925	63,913	72,415	61,853	58,653	47,814	31,870	23,801	31,000	3,192
BEECH	37,962	1,247	2,076	3,656	6,571	3,804	3,261	2,815	2,677	11,414	441
SWEETGUM	1,621,784	161,685	223,517	250,170	257,734	207,771	175,785	129,499	80,738	115,933	18,952
TUPELO AND BLACKGUM	1,485,701	86,852	144,213	186,467	244,076	243,228	193,919	137,943	87,960	135,091	25,952
ASH	284,325	26,626	29,136	46,492	42,095	44,676	28,333	24,951	15,160	22,379	4,477
COTTONWOOD	69,018	1,688	3,069	5,072	9,346	5,933	7,129	7,757	3,784	11,375	13,865
BASSWOOD	1,042	260	--	782	--	--	--	--	--	--	--
YELLOW-POPLAR	589,935	30,498	46,854	70,562	82,321	85,885	78,577	68,437	54,408	63,148	9,245
BAY AND MAGNOLIA	18,378	4,241	3,434	2,340	2,510	1,249	2,029	178	557	1,140	700
BLACK CHERRY	12,585	5,140	4,679	1,589	975	202	--	--	--	--	--
BLACK WALNUT	8,756	599	139	1,165	725	703	1,160	2,315	318	1,632	--
SYCAMORE	62,474	296	2,812	3,259	9,524	11,684	4,115	5,783	6,926	15,521	2,554
BLACK LOCUST	2,246	473	788	291	300	--	--	394	--	--	--
ELM	178,676	22,335	24,933	24,328	28,960	17,876	17,471	13,732	9,571	13,295	6,175
OTHER EASTERN HARDWOODS	159,035	18,224	22,998	20,772	23,248	19,389	17,958	9,996	10,431	15,473	540
TOTAL HARDWOODS	8,253,259	766,239	989,887	1,135,003	1,214,360	1,098,179	920,573	677,255	472,429	774,284	205,050
ALL SPECIES	17,180,375	1,717,410	2,470,915	2,738,959	2,706,152	2,310,050	1,812,883	1,236,028	787,303	1,159,902	240,773

TABLE 16. -- VOLUME OF SAWTIMBER ON COMMERCIAL FOREST LAND, BY SPECIES AND DIAMETER CLASS, 1978

SPECIES	ALL CLASSES	DIAMETER CLASS (INCHES AT BREAST HEIGHT)							
		9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29.0 AND LARGER
----- THOUSAND BOARD FEET -----									
SOFTWOOD:									
LONGLEAF PINE	2,743,173	558,328	740,940	708,620	439,610	199,296	56,089	38,236	2,054
SLASH PINE	1,248,606	438,761	351,590	176,738	155,698	75,230	23,683	26,906	--
SHORTLEAF PINE	2,596,103	884,499	765,974	470,515	285,165	134,609	23,377	29,341	2,623
LOBLOLLY PINE	20,055,541	3,071,456	3,934,079	3,918,931	3,357,623	2,386,323	1,443,307	1,804,917	138,905
POND PINE	1,673,412	319,142	390,316	364,764	263,360	157,149	100,827	77,854	--
VIRGINIA PINE	574,085	219,762	169,257	111,446	36,651	26,545	4,771	5,653	--
PITCH PINE	27,592	5,870	11,389	2,835	1,961	5,537	--	--	--
TABLE-MOUNTAIN PINE	--	--	--	--	--	--	--	--	--
SPRUCE PINE	154,716	20,806	27,337	21,435	23,097	16,689	23,231	22,121	--
SAND PINE	--	--	--	--	--	--	--	--	--
EASTERN WHITE PINE	123,652	4,139	7,116	10,491	14,106	12,822	9,012	59,519	6,447
EASTERN HEMLOCK	28,146	2,283	3,942	4,782	2,355	--	--	14,784	--
SPRUCE AND FIR	--	--	--	--	--	--	--	--	--
BALDCYPRESS	1,520,593	103,564	141,697	224,339	242,977	196,964	182,470	341,815	86,767
PONDYCYPRESS	466,628	78,658	75,237	91,837	72,747	40,720	42,239	55,068	10,122
CEDARS	106,569	49,388	23,834	3,269	7,134	7,359	8,391	7,194	--
TOTAL SOFTWOODS	31,318,816	5,756,656	6,642,708	6,110,002	4,902,484	3,259,243	1,917,397	2,483,408	246,918
HARDWOOD:									
SELECT WHITE OAKS	1,533,957	--	274,746	311,967	291,214	207,600	126,590	252,440	69,400
SELECT RED OAKS	657,972	--	91,863	126,550	127,675	101,766	44,944	128,728	36,446
CHESTNUT OAK	131,261	--	29,461	27,392	21,639	25,343	1,868	25,558	--
OTHER WHITE OAKS	738,015	--	114,817	106,945	83,040	60,034	72,167	183,130	117,882
OTHER RED OAKS	5,261,646	--	848,479	833,683	845,003	643,513	560,039	1,099,014	431,915
HICKORY	1,179,648	--	180,839	213,065	189,803	152,107	116,990	226,825	100,019
YELLOW BIRCH	--	--	--	--	--	--	--	--	--
HARD MAPLE	16,082	--	1,416	4,790	2,497	--	2,367	5,012	--
SOFT MAPLE	1,043,461	--	194,689	217,982	198,701	142,661	112,839	158,655	17,934
BEECH	122,523	--	24,085	14,441	12,709	11,222	10,838	47,353	1,875
SWEETGUM	4,601,234	--	911,469	885,340	845,500	678,188	450,128	701,968	128,641
TUPELO AND BLACKGUM	4,582,304	--	748,114	919,390	844,246	664,317	454,957	777,680	173,600
ASH	767,059	--	137,733	171,941	121,090	115,545	74,531	119,990	26,229
COTTONWOOD	287,904	--	29,052	22,754	30,693	36,574	19,012	62,828	86,991
BASSWOOD	2,825	--	2,825	--	--	--	--	--	--
YELLOW-POPLAR	2,158,297	--	292,708	369,422	382,023	361,272	305,413	383,312	64,147
BAY AND MAGNOLIA	39,670	--	8,063	4,981	9,706	806	2,679	7,651	5,784
BLACK CHERRY	4,174	--	3,400	774	--	--	--	--	--
BLACK WALNUT	24,250	--	2,499	2,452	4,087	8,219	1,133	5,860	--
SYCAMORE	253,760	--	29,455	44,371	17,764	27,501	34,548	84,673	15,448
BLACK LOCUST	2,541	--	1,039	--	--	1,502	--	--	--
ELM	450,470	--	97,543	68,923	74,350	62,450	45,481	67,502	34,221
OTHER EASTERN HARDWOODS	390,190	--	73,506	70,983	73,016	44,254	48,146	77,174	3,111
TOTAL HARDWOODS	24,249,243	--	4,097,801	4,418,146	4,174,756	3,344,874	2,484,670	4,415,353	1,313,643
ALL SPECIES	55,568,059	5,756,656	10,740,509	10,528,148	9,077,240	6,604,117	4,402,067	6,898,761	1,560,561

TABLE 17. --NET ANNUAL GROWTH AND REMOVALS OF GROWING STOCK ON COMMERCIAL FOREST LAND, BY SPECIES, 1977

SPECIES	NET ANNUAL GROWTH	ANNUAL TIMBER REMOVALS
- - THOUSAND CUBIC FEET - -		
SOFTWOOD:		
YELLOW PINES	599,841	353,875
EASTERN WHITE PINE	1,069	406
SPRUCE AND FIR	--	--
CYPRESS	11,117	4,859
OTHER EASTERN SOFTWOODS	5,722	1,390
TOTAL SOFTWOODS	617,749	360,530
HARDWOOD:		
SELECT WHITE AND RED OAKS	36,353	19,641
OTHER WHITE AND RED OAKS	100,544	40,304
HICKORY	13,668	6,005
YELLOW BIRCH	--	--
HARD MAPLE	222	--
SWEETGUM	73,372	26,778
ASH, WALNUT, AND BLACK CHERRY	10,329	3,140
YELLOW-POPLAR	32,227	8,819
TUPELO AND BLACKGUM	36,679	17,757
BAY AND MAGNOLIA	768	167
OTHER EASTERN HARDWOODS	41,434	12,814
TOTAL HARDWOODS	345,596	135,425
ALL SPECIES	963,345	495,955

TABLE 18. --NET ANNUAL GROWTH AND REMOVALS OF SAWTIMBER ON COMMERCIAL FOREST LAND, BY SPECIES, 1977

SPECIES	NET ANNUAL GROWTH	ANNUAL TIMBER REMOVALS
- - - THOUSAND BOARD FEET - - -		
SOFTWOOD:		
YELLOW PINES	2,237,806	1,330,964
EASTERN WHITE PINE	5,245	2,120
SPRUCE AND FIR	--	--
CYPRESS	55,271	23,443
OTHER EASTERN SOFTWOODS	9,167	3,967
TOTAL SOFTWOODS	2,307,489	1,360,494
HARDWOOD:		
SELECT WHITE AND RED OAKS	136,250	73,788
OTHER WHITE AND RED OAKS	341,586	137,887
HICKORY	40,663	20,602
YELLOW BIRCH	--	--
HARD MAPLE	2,541	--
SWEETGUM	240,626	89,001
ASH, WALNUT, AND BLACK CHERRY	39,017	11,347
YELLOW-POPLAR	148,610	38,091
TUPELO AND BLACKGUM	154,616	66,868
BAY AND MAGNOLIA	1,545	649
OTHER EASTERN HARDWOODS	116,280	43,618
TOTAL HARDWOODS	1,221,734	481,851
ALL SPECIES	3,529,223	1,842,345



TABLE 19. --MORTALITY OF GROWING STOCK AND SAWTIMBER ON COMMERCIAL  
FOREST LAND, BY SPECIES, 1977

SPECIES	GROWING STOCK	SAWTIMBER
	THOUSAND CUBIC FEET	THOUSAND BOARD FEET
SOFTWOOD:		
YELLOW PINES	68,149	192,830
EASTERN WHITE PINE	--	--
SPRUCE AND FIR	--	--
CYPRESS	813	761
OTHER EASTERN SOFTWOODS	1,538	4,724
TOTAL SOFTWOODS	70,500	198,315
HARDWOOD:		
SELECT WHITE AND RED OAKS	1,591	4,080
OTHER WHITE AND RED OAKS	13,439	36,531
HICKORY	802	2,842
YELLOW BIRCH	--	--
HARD MAPLE	--	--
SWEETGUM	6,690	20,287
ASH, WALNUT, AND BLACK CHERRY	2,855	5,193
YELLOW-POPLAR	1,778	4,231
TUPELO AND BLACKGUM	2,526	8,665
BAY AND MAGNOLIA	131	--
OTHER EASTERN HARDWOODS	11,350	32,653
TOTAL HARDWOODS	41,162	114,482
ALL SPECIES	111,662	312,797

TABLE 20. --VOLUME OF ALL LIVE TREES AND GROWING STOCK ON COMMERCIAL FOREST LAND, BY OWNERSHIP CLASS AND SPECIES GROUP, 1978

OWNERSHIP CLASS	ALL LIVE TREES					GROWING STOCK				
	ALL SPECIES	PINE	OTHER SOFTWOOD	SOFT HARDWOOD	HARD HARDWOOD	ALL SPECIES	PINE	OTHER SOFTWOOD	SOFT HARDWOOD	HARD HARDWOOD
THOUSAND CUBIC FEET										
NATIONAL FOREST	1,254,580	713,472	64,095	274,107	202,906	1,162,510	702,982	62,997	232,726	163,805
OTHER PUBLIC	828,758	468,239	13,517	178,143	168,859	762,154	462,100	13,117	150,815	136,122
FOREST INDUSTRY	3,286,230	1,355,464	171,822	1,131,975	626,969	2,888,867	1,312,442	158,165	908,909	509,351
FARMER	6,713,637	2,792,004	142,175	2,040,956	1,738,502	5,923,798	2,716,824	134,454	1,658,155	1,414,365
MISCELLANEOUS PRIVATE	7,267,965	3,236,152	216,378	1,995,601	1,819,834	6,443,046	3,159,444	204,591	1,618,772	1,460,239
ALL OWNERSHIPS	19,351,170	8,565,331	607,987	5,620,782	4,557,070	17,180,375	8,353,792	573,324	4,569,377	3,683,882

TABLE 21. --VOLUME OF SAWTIMBER ON COMMERCIAL FOREST LAND, BY OWNERSHIP CLASS AND SPECIES GROUP, 1978

OWNERSHIP CLASS	SMALL SAWTIMBER <sup>1</sup>					LARGE SAWTIMBER <sup>2</sup>				
	ALL SPECIES	PINE	OTHER SOFTWOOD	SOFT HARDWOOD	HARD HARDWOOD	ALL SPECIES	PINE	OTHER SOFTWOOD	SOFT HARDWOOD	HARD HARDWOOD
THOUSAND BOARD FEET										
NATIONAL FOREST	1,986,279	1,524,793	81,255	241,933	138,298	2,639,223	1,626,275	194,231	478,451	340,266
OTHER PUBLIC	1,429,559	1,131,128	17,894	165,490	115,047	1,183,863	638,052	26,308	232,738	286,765
FOREST INDUSTRY	4,228,824	2,683,072	247,997	834,614	463,141	5,128,739	1,243,924	411,860	2,207,535	1,265,420
FARMER	9,160,471	5,637,661	196,038	1,887,166	1,439,606	9,419,421	3,980,835	269,784	2,811,148	2,357,654
MISCELLANEOUS PRIVATE	10,220,180	6,708,136	281,392	1,779,278	1,451,374	10,171,500	3,899,352	518,829	2,973,893	2,779,426
ALL OWNERSHIPS	27,025,313	17,684,790	824,576	4,908,481	3,607,466	28,542,746	11,388,438	1,421,012	8,703,765	7,029,531

<sup>1</sup> VOLUME OF SAWTIMBER TREES LESS THAN 15.0 INCHES AT D.B.H.<sup>2</sup> VOLUME OF SAWTIMBER TREES 15.0 INCHES AND LARGER AT D.B.H.

TABLE 22. --NET ANNUAL GROWTH AND REMOVALS OF GROWING STOCK ON COMMERCIAL FOREST LAND, BY OWNERSHIP CLASS AND SPECIES GROUP, 1977

OWNERSHIP CLASS	NET ANNUAL GROWTH					ANNUAL TIMBER REMOVALS				
	ALL SPECIES	PINE	OTHER SOFTWOOD	SOFT HARDWOOD	HARD HARDWOOD	ALL SPECIES	PINE	OTHER SOFTWOOD	SOFT HARDWOOD	HARD HARDWOOD
THOUSAND CUBIC FEET										
NATIONAL FOREST	52,880	35,349	1,918	8,837	6,776	30,738	28,857	--	291	1,590
OTHER PUBLIC	42,721	29,500	334	6,715	6,172	19,831	14,924	349	1,549	3,009
FOREST INDUSTRY	172,757	117,898	4,096	30,366	20,397	123,132	89,779	2,874	17,229	13,250
FARMER	332,014	189,916	4,810	70,661	66,627	151,441	104,861	1,431	23,013	22,136
MISCELLANEOUS PRIVATE	362,973	227,178	6,750	64,525	64,520	170,813	115,454	2,001	22,163	31,195
ALL OWNERSHIPS	963,345	599,841	17,908	181,104	164,492	495,955	353,875	6,655	64,245	71,180

TABLE 23. --NET ANNUAL GROWTH AND REMOVALS OF SAWTIMBER ON COMMERCIAL FOREST LAND, BY OWNERSHIP CLASS AND SPECIES GROUP, 1977

OWNERSHIP CLASS	NET ANNUAL GROWTH					ANNUAL TIMBER REMOVALS				
	ALL SPECIES	PINE	OTHER SOFTWOOD	SOFT HARDWOOD	HARD HARDWOOD	ALL SPECIES	PINE	OTHER SOFTWOOD	SOFT HARDWOOD	HARD HARDWOOD
THOUSAND BOARD FEET										
NATIONAL FOREST	233,147	168,005	8,882	30,440	25,820	118,107	114,318	--	--	3,789
OTHER PUBLIC	170,748	124,997	1,193	24,165	20,393	66,197	50,596	1,657	4,618	9,326
FOREST INDUSTRY	592,765	372,590	18,109	117,261	84,805	470,305	345,434	14,266	61,128	49,477
FARMER	1,208,029	722,737	16,826	245,866	222,600	569,718	404,079	4,964	82,599	78,076
MISCELLANEOUS PRIVATE	1,324,534	849,477	24,673	229,680	220,704	618,018	416,537	8,643	82,072	110,766
ALL OWNERSHIPS	3,529,223	2,237,806	69,683	647,412	574,322	1,842,345	1,330,964	29,530	230,417	251,434

TABLE 24. --AVERAGE NET VOLUME PER ACRE OF SAWTIMBER, GROWING STOCK, AND OTHER LIVE TIMBER ON COMMERCIAL FOREST LAND, BY OWNERSHIP CLASS, MAJOR FOREST TYPE, AND SPECIES GROUP, 1978

FOREST TYPE, SPECIES GROUP, AND CLASS OF MATERIAL	ALL OWNERSHIPS		OWNERSHIP CLASS									
	BOARD FEET	CUBIC FEET	NATIONAL FOREST BOARD FEET	CUBIC FEET	OTHER PUBLIC BOARD FEET	CUBIC FEET	FOREST INDUSTRY BOARD FEET	CUBIC FEET	FARMER BOARD FEET	CUBIC FEET	MISC. PRIVATE BOARD FEET	CUBIC FEET
PINE TYPES:												
GROWING STOCK:												
SOFTWOOD	4,034	1,216	7,449	1,690	4,386	1,192	2,820	991	4,042	1,204	4,066	1,275
HARDWOOD	212	115	376	161	137	89	155	79	249	133	195	117
TOTAL	4,246	1,331	7,825	1,851	4,523	1,281	2,975	1,070	4,291	1,337	4,261	1,392
OTHER TIMBER:												
SOFTWOOD	--	32	--	27	--	16	--	35	--	35	--	32
HARDWOOD	--	35	--	52	--	33	--	26	--	39	--	35
TOTAL	--	67	--	79	--	49	--	61	--	74	--	67
OAK-PINE TYPES:												
GROWING STOCK:												
SOFTWOOD	2,409	602	4,676	938	2,834	621	1,616	434	2,547	642	2,219	572
HARDWOOD	1,162	487	1,930	754	701	290	625	330	1,302	535	1,142	474
TOTAL	3,571	1,089	6,606	1,692	3,535	911	2,241	764	3,849	1,177	3,361	1,046
OTHER TIMBER:												
SOFTWOOD	--	13	--	8	--	11	--	9	--	15	--	14
HARDWOOD	--	121	--	161	--	71	--	61	--	141	--	119
TOTAL	--	134	--	169	--	82	--	70	--	156	--	133
UPLAND HARDWOOD TYPES:												
GROWING STOCK:												
SOFTWOOD	538	139	1,670	343	717	175	456	116	498	131	503	135
HARDWOOD	2,627	946	4,505	1,513	2,941	939	2,256	741	2,568	968	2,620	938
TOTAL	3,165	1,085	6,175	1,856	3,658	1,114	2,712	857	3,066	1,099	3,123	1,073
OTHER TIMBER:												
SOFTWOOD	--	4	--	--	--	--	--	1	--	5	--	5
HARDWOOD	--	188	--	271	--	226	--	144	--	186	--	192
TOTAL	--	192	--	271	--	226	--	145	--	191	--	197
BOTTOMLAND HARDWOOD TYPES:												
GROWING STOCK:												
SOFTWOOD	1,326	298	3,075	703	1,523	337	1,593	359	899	208	1,416	310
HARDWOOD	5,910	1,769	6,767	1,942	5,163	1,822	7,507	2,052	4,768	1,528	6,094	1,824
TOTAL	7,236	2,067	9,842	2,645	6,686	2,159	9,100	2,411	5,667	1,736	7,510	2,134
OTHER TIMBER:												
SOFTWOOD	--	13	--	16	--	6	--	26	--	8	--	11
HARDWOOD	--	428	--	340	--	253	--	504	--	374	--	463
TOTAL	--	441	--	356	--	259	--	530	--	382	--	474
ALL TYPES:												
GROWING STOCK:												
SOFTWOOD	2,505	714	5,715	1,278	3,116	816	2,095	671	2,250	636	2,453	723
HARDWOOD	1,939	660	2,000	661	1,375	493	2,178	648	1,896	686	1,932	662
TOTAL	4,444	1,374	7,715	1,939	4,491	1,309	4,273	1,319	4,146	1,322	4,385	1,385
OTHER TIMBER:												
SOFTWOOD	--	20	--	19	--	11	--	26	--	18	--	19
HARDWOOD	--	154	--	134	--	103	--	156	--	158	--	158
TOTAL	--	174	--	153	--	114	--	182	--	176	--	177
ALL TIMBER	4,444	1,548	7,715	2,092	4,491	1,423	4,273	1,501	4,146	1,498	4,385	1,562

TABLE 25. --LAND AREA, BY CLASS, MAJOR FOREST TYPE, AND SURVEY COMPLETION DATE, 1958, 1968, AND 1978

LAND USE CLASS	SURVEY COMPLETION DATE			CHANGE 1968-1978
	1958	1968	1978	
- - - - - ACRES - - - - -				
FOREST LAND:				
COMMERCIAL FOREST LAND:				
PINE AND OAK-PINE TYPES	6,683,600	7,303,720	7,289,464	- 14,256
HARDWOOD TYPES	5,251,300	5,122,864	5,213,442	+ 90,578
TOTAL	11,934,900	12,426,584	12,502,906	+ 76,322
NONCOMMERCIAL FOREST LAND:				
PRODUCTIVE-RESERVED	73,900	70,500	72,399	+ 1,899
UNPRODUCTIVE	7,000	12,655	3,893	- 8,762
TOTAL	80,900	83,155	76,292	- 6,863
NONFOREST LAND:				
CROPLAND	5,259,000	4,032,137	3,606,957	-425,180
PASTURE AND RANGE	743,500	1,029,342	1,006,997	- 22,345
OTHER	1,203,700	1,616,980	1,926,247	+309,267
TOTAL	7,206,200	6,678,459	6,540,201	-138,258
ALL LAND <sup>1</sup>	19,222,000	19,188,198	19,119,399	- 68,799

<sup>1</sup> EXCLUDES ALL WATER AREAS.

TABLE 26. --VOLUME OF SAWTIMBER, GROWING STOCK, AND ALL LIVE TIMBER ON COMMERCIAL FOREST LAND, BY SPECIES GROUP, DIAMETER CLASS, AND SURVEY COMPLETION DATE

SPECIES GROUP	YEAR	ALL CLASSES	DIAMETER CLASS (INCHES AT BREAST HEIGHT)						SAWTIMBER (IN THOUSAND BOARD FEET)
			5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	

SOFTWOOD	1958	18,214,376	--	--	3,532,893	3,925,759	3,358,254	2,822,328	1,904,753	1,110,288	1,560,101
	1968	22,943,680	--	--	4,094,647	4,865,673	4,507,888	3,533,950	2,326,512	1,536,213	2,078,797
	1978	31,318,816	--	--	5,756,656	6,642,708	6,110,002	4,902,484	3,259,243	1,917,397	2,730,326
	1958	16,856,942	--	--	--	2,940,992	3,235,270	2,917,276	2,320,395	1,751,623	3,691,386
	1968	18,920,016	--	--	--	3,242,024	3,529,884	3,259,744	2,704,859	1,923,838	4,259,667

GROWING STOCK (IN THOUSAND CUBIC FEET)

SOFTWOOD	1958	5,399,243	692,169	913,354	983,934	880,768	665,794	513,884	326,625	182,107	240,608
	1968	6,731,827	906,580	1,083,661	1,140,546	1,091,896	893,878	643,418	398,903	252,205	320,740
	1978	8,927,116	951,171	1,481,028	1,603,956	1,491,792	1,211,871	892,310	558,773	314,874	421,341
	1958	5,787,602	537,237	682,299	816,285	872,061	603,982	642,691	469,776	332,843	630,428
	1968	6,616,307	643,706	847,716	926,523	961,513	877,264	718,547	547,560	365,655	727,823

ALL LIVE TIMBER (IN THOUSAND CUBIC FEET)

SOFTWOOD	1958	5,554,358	737,211	955,364	1,012,894	895,159	672,635	518,647	327,992	184,241	250,215
	1968	6,925,443	966,680	1,133,616	1,174,146	1,109,749	902,983	649,217	400,462	255,223	333,367
	1978	9,173,318	1,014,984	1,549,216	1,651,594	1,516,194	1,224,052	900,304	560,897	318,420	437,657
	1958	7,148,396	817,178	909,354	1,024,962	1,049,442	933,398	722,321	533,915	381,646	776,180
	1968	8,189,515	979,175	1,129,193	1,161,982	1,156,999	1,017,252	807,798	622,371	418,925	895,820

HARDWOOD

TO PROVIDE A BASIS FOR VALID COMPARISONS, ADJUSTMENTS HAVE BEEN MADE TO ALLOW FOR DIFFERENCES IN VOLUME TABLES AND SAWTIMBER SPECIFICATIONS USED IN PREVIOUS SURVEYS.

Sheffield, Raymond M.

1979. Forest statistics for South Carolina, 1978. U.S. Dep. Agric. For. Serv., Resour. Bull. SF-50, 34 p. Southeast. For. Exp. Stn., Asheville, N.C.

Since the fourth inventory of South Carolina's forest resources in 1968, the area of commercial forest land has increased by only 76,000 acres, or less than 1 percent. Commercial forest land now occupies 12.5 million acres, or 65 percent of the total land area in South Carolina. Acreage of forest land held by miscellaneous private, corporate owners has increased by over 285 percent, but private individuals still own 63 percent of the commercial forests. The volume of softwood and hardwood growing stock increased by 33 and 25 percent, respectively. Loblolly pine accounted for 73 percent of the softwood increase and now makes up 60 percent of the softwood inventory. Net annual growth of growing stock averaged 77 cubic feet per acre, a record high for an entire State in the Southeast. Annual timber removals averaged about one-half the net growth.

KEYWORDS: Forest trends, commercial forest land, forest ownership, timber volume, timber growth, timber removals.

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